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MR. FREDERIC ALGAR, No. 11 Clements Lane Lombard Street, London, is the authorized European Agent

PRINCIPAL CONTENTS.

American Railroad Journal

New York, Saturday, December 5, 1863.

Weights and Measures .-- The Metrical Sys

A bill is pending in the British House of Commons for the adoption of the French system of weights and measures, known as the metrical system. The controversy naturally arising out of a proposed charge as great as this, has been ably carried on among the learned, and how it will end it is impossible to foresee. After a careful examination of the arguments we have come to the conclusion, that the English system suits the English better than the metrical; and what is very singular is the fact that the French people themselves do not conform to their own laws on the subject.

For more than a hundred years the subject of a uniform standard of weights and measures has interested the world. Our own country has also engaged in its consideration, and one of our most by the late John Quincy Adams, appointed a com-they offered against the adoption of the pendulum contained in a cube of a centi metre or 100 metres. missioner to make a report upon it. The first standard, and in favor of the arc of a meridian, This is found equal to 15,433 grains Troy, and

idea of obtaining a true standard of length was and also the reasons why an arc of the equator weights and measures. And this the English savans preferred, because the movement of a equal areas in equal times, and because when of a certain length it beats seconds, or vibrates in equal times. It is easy to see therefore, that this being the case, its length to produce this being known, the result would be invariable. But it was found that in different latitudes, the oscillations were not the same, the figure of the earth not being spherical, and the force of gravitation at different parts of its surface not being equal. The 45th degree was therefore chosen as a mean, being the half of 90; the distance between the poles and the equator. This was believed as accurate as it was possible to be. The French themselves for a time inclined to this view of the subject, and the National assembly in the close of the reign of Louis XVI, adopted a decree, requesting the English Government to unite with their own in obtaining that standard. It did not come to anything, either through the obstinacy of George III, or the disturbed condition of public affairs. The French had not up to that time contemplated the adoption of the metrical system. On the contrary, they originated a number of scientific expeditions to ascertain what the beats of a pendulum of a given length would be in different parts of the earth's circumference. And this was effected by taking watches that were known to beat seconds regularly at Paris, to other parts of the world, as at the equator and at Lapland, and comparing their beats with those of a second pendulum. From these observations it was clearly ascertained that the second beating pendulum had to be increased in length by a regular series in going from the equator to the poles. After long and labored discussions among their principal astronomers and mathematicians, a report in favor of adopting the meridian as the best standard of linear measure, was made to the Academy in 1791, by Laplace, Condorcet, Borda and Monge, all eminent men. If we had space it would be a interesting public documents was that prepared pleasing task to refer to the ingenious arguments they offered against the adoption of the pendulum

taken from the vibrations of the pendulum, and should not be adopted. Means were then taken to deduce therefrom an invariable model for all to procure accurate measurements of a meridian in various parts of the globe, and it is an interesting fact not known to all who have heard time pendulum is ascertained to be made through out of mind of Mason and Dixon's line in this country, that these persons measured two degrees in the State of Pennsylvania, probably being the most accurate of them all, which was referred to in the settlement of the question. Finally the meridian which had been measured in Peru was adopted as a standard by the French commission, and the ten millionth part of this meridian was declared a metre, by the law of the 10th of December, 1799. This is equal to about 391/4 inches English. Notwithstanding very considerable errors have latterly been detected in the original meridianal measurement, the French system has been retained, and it is as follows. From the metre thus obtained it will be perceived by multiplication decimally, the following results are arrived

> The ten millionth of the quadrant, or distance from the equator to the poles is 391/3 inches, or 1 metre-length.

The cube of the 100th of a metre of water at its greatest density weighs, 1 gramme-weight.

The cube of the 10th of a metre holds 1 litre -capacity.

The cube of 1 metre is 1 stere-solidity.

The square of 10 metres is 1 are, square meas-

These starting points being settled, the division of them for practical purposes is made as follows, by adding the decimal increase to the above

Marc P	ENGTHS.
Milli metre or 1,000th	of a metre
Centi metre or 100th	01
Deci metre or 10th	TO ZO THE COS LA GUOTE
1 metre	a, peas, charcon. con 2000
Deca metre or 10 met	res 10.
Hecto metre or 100	" 100.
Kilo metre or 1,000	" 1000.
Myria metre or 10,000	"

Weights .- The unit of weight under the French system is the gramme, which is ascertained by weighing that quantity of distilled water which is contained in a cube of a centi metre or 100 metres.

16,924 grains avoirdupois. These are multiplied in tenths by the affixing of the Greek terms Deca, Hecto, Kilo, Myria, or divided, by the Latin Deci, Centi, Milli. Kilogramme therefore means 1,000 grammes, and is equivalent to 2 lbs., 3 oz., 4 drachms, and 16 grains avoirdupois, English, and this weight is common in commercial transactions.

Capacity.-The litre is the measure of capacity. and is obtained by ascertaining the weight of a deci metre, equal to 16,028 cubic inches, or 13/4 pint imperial of water, or 1,000 grammes exactly, or one kilogramme.

It is multiplied or divided by the same prefixes we have already given. The Bordeaux ton wellknown to importers of wine in this country is 931,318 litres, or 1,640 pints English.

Land Measure .- The French unit of land measure is a square of ten metres each side, and called an are. This is multiplied or divided in the same way as before by the use of the Greek and Latin prefixes.

Solid Measure.-The unit of this measure is a cubic metre, and it is also multiplied or divided as before stated.

The French system obtains in many parts of Europe and South America. Our merchants, who for example ship to Colombia, are obliged to make out their invoices in kilogrammes, as the duties in that country are very absurdly regulated by the weight and not the value of the articles, with very few exceptions.

The English on the contrary, up to this moment are regulated by the pendulum. The act of parliament of January, 1826, called the act of uniformity establishing the Imperial system, required the following to be the standard, viz: A pendulum which should vibrate seconds in London, on a level with the sea in a vacuum. All that portion of the pendulum lying between the axis of suspension and the centre of oscillation, (for these are different,) is then to be divided into 391,393 equal parts, 10,000 of these parts make an inch imperial, twelve a foot and thirty-six a yard.

Weight .- The unit of weight is a cube of one inch of distilled water at 62° Fahrenheit. This is weighed by any weight, and such weight is then to be divided into 252.458 equal parts. A thousand of these parts make a grain Troy, 5,760 grains a pound Troy, and 7,000 a pound avoirdupois, the operation being performed in the air. Ten pounds of these make a gallon, containing 277 cubic inches, and 274-1000 parts of another cubic inch.

It is a curious circumstance, that both in France and England notwithstanding legislation has absolutely fixed the standards of weights and measures, they are not fully observed.

The French astronomers, geographers and seamen, calculate by degrees and minutes. The market women sell eggs at so many liards each, equivalent to the 4th part of a sou. Potatoes, beans, peas, charcoal and wood, are not sold by the metrical or decimal system, nor wine, nor grain, nor is small change current on this princi-

The stone weight in England varies in ten different numbers of lbs., according to locality and custom. So of the quarter, which may be 28 or 30 lbs. So of the ton which may be 20 cwt. of 112 lbs., or 120 lbs. There are English, Scotch

ells; in surveyors' work, links, chains, rods, poles, perches; in navigation, fathoms, knots, leagues and geographical miles; and then there are the palm, the pace, the step, span, cubit, and the screw and iron gauges.

So in our own country we hear of cords of ore in the mining districts instead of tons, a most by the government. These terms were acceeded curious, yet found to be a practical, useful, and easy method of measurement.

Many of our most learned and philanthropic countrymen have turned their attention to this subject, in hopes of procuring a uniformity of system throughout the world; and foreign scientific Congresses have sympathized with them in the attempt.

We have no faith in their success as long as humanity is what it is, any more than we have in the plan of a universal language, long ago suggested by Bishop Wilkins.

When the lion lies down with the lamb, when men shall learn war no more, when all shall think alike and act elike; in short, when the millenium arrives, when weights and measures shall go out of use by losing their necessity, and when all men shall believe in all men, and work for love and not for money, then and not till then shall we be able to attain uniformity in weights and measures, and not till then.

Louisville and Nashville Railroad.

The annual meeting of the stockholders of this company was held in Louisville on the 5th of October last. The Annual Reports of the President and Directors, Secretary, Superintendent of Transportation, and Superintendent of Machinery and Road Department, were read, adopted and ordered to be printed. We have been favored with a copy of this report, from which we learn that the receipts from transportation, etc., during the fiscal year ending June 30, 1863, were:

Memphis Lebanon

	ranch.		Stem.	
From pass'gers.\$20	,648 76	\$55,503 68	\$773,240	22
" freight 16	274 41	85,109 03	642,595	03
" express . 8	.264 87	6,210 21		
" rent				
" mail, etc			30,328	39
Total Main Stem .				
" Lebanon Bra	inch		96,962	
" Memphis Br			40,183	03
Amount charged I	J. S.—b	eing differ-		
ence between				
local tariff on			a gil ide	tu.
1, 1862 to Jan. 1	1, 1863.	*** **** **	137,680	93
man de la constante de la cons			Contract of	-
Total main line		Committee of the commit		
From passengers .				
" freight				
" express :		66,468 11	251	
mail, etc		80,468 39	10000	16
rd branchmater.T	to Sec.	-1100 0 00	1,777,983	56
And the expens	es have	been:		
Repairs of road	8	163,436 41		
4 bridges		10,330 49		
" buildin	gs, etc.	10,553 61	di la	
cars		36,408 66		
engines		29,471 59	+ money -	
Motive power		42,431 55		
Fuel		49,211 14		
Oil and waste		7,211 87		

5.979 32

15,099 80

28 260 20

Watchmen

Loss and damage

Transportation

Misce laneous

Reconstruction 229,470 07

Salaries

In March last application was made by this company to the Secretary of War for a restoration of the tariff of freights existing before the war, This was allowed, upon condition that the company pay for the Cumberland River Bridge at Nashville, aud other bridge repairs and work done to, and the earnings of the fiscal year made up according to the company's tariff rates of freight. and not that of the government. The above amount of \$137,680 93 is the difference between the local tariff and the amount charged at the government rates on all government freight carried from April 1, 1862, to Jan. 1, 1863.

The road was in operation through to Nashville for a period of 7 months and 12 days-during the balance of the year it was only partially operated. The time during which it may be considered to have been operated for its entire length is equivalent to 91/2 months.

The following table shows the comparative cost of repairs of road per mile during the past four

	Ordinary		per mile	Per revenue train mile.
1859-'60	.\$470 73	\$135 00	\$605 78	26.03 cents
1860-'61	. 339 54	48 93	388 47	14.84 "
1861-'62	. 321 28	219 78	541 06	38.18 "
1862-'63	. 382 29	889 56	771 85	38.30 "

During the year upwards of 433 tons of new iron were purchased, 95 tons of which were used to replace iron destroyed by the rebels. About 95 tons have been re-rolled, and 333 repaired and used on the 1st division. Besides which the defective ends of 225 tons of the tubular iron on the 2d division have been cut off, and the rails welded solid at the ends. The total amount of new, rerolled and repaired rails used during the past year is 1122 tous. This amount was not sufficient for the necessities of the road, but it was impossible to obtain more. At least 2,500 tons of new iron will be required during the coming year. The cost of repairing solid rails has been \$4 per ton, and that of repairing tubular rails \$6.35 per ton. Upwards of 16,000 cross-ties were purchased during the year, all that could be procured by contract. At least 40,000 new ties will be required during the ensuing year.

The business of the Lebanon Branch was seriously hindered by the destruction of bridges. The cost of repairs and renewals during the year was \$341 32 per mile, or 50.02 cents per revenue train mile. During the year, 22 tons of iron have been repaired, and 4,867 new cross-ties put in the track; 200 tons of new iron, and 10,000 cross-ties will be required during the coming year to keep the track in order.

The Memphis Branch has been obstructed during the greater portion of the year, although the trains were run on a part of it all the time. It may be considered to have been in use its whole length about 9 months. The cost of repairs per mile per year has been \$232 26, and per train mile 32.78 cents.

The engines have run in the service of transportation department 519,742 miles at a cost for repairs of \$29,471.59; in the service of the road department, and on the Bardstown Branch and Memphis, Clarksville and Louisville Railroad, 75,516 miles, at a cost for repairs of \$3,818.73. and litch miles; in cloth measure, nails, quarters, Net earnings (59.74 per cent.) \$1,062,165 09 Total miles run, 595,258. Total cost for repairs,

\$33,285.35, or 5.59 cents per mile run. Total cost per mile run by engines, 24.03 cehts, against 23.06 cents in 1861-'62, and 18.49 cents in 1860-'61 Average cost per mile of all trains 28.72 cents.

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The Bardstown and Louisville Railroad 18 miles has been operated as a branch of this road under a contract made Feb. 24, 1860, by which this company were to furnish the motive power and rolling stock, and were to divide the net profits after paying expenses. The accounts were settled up to March 31, 1861. The earnings from that time to June 30, 1863, were \$20,469.46, and the expenditures for running, repairs and reconstruction, \$19,011.71. The operation has not been profitable, but is a great convenience in procuring material, etc.

The company also agreed to operate the 14 miles of the Memphis, Clarksville and Louisville Railroad, between the State line and Clarksville and to divide the profits after paying cost of operating. The rebel raids and unsafe condition of the country prevented the operation, except for a few months. The gross earnings of the 14 miles for the three months ending with June were \$554.23 and the cost of operating including the amoun expended in the re-construction of the Red River bridge, \$6,811.89. This contract may be termin ated on ten days' notice, the Clarksville company refunding the cost of the bridge, and balance due this company.

The equipment of road July 1, 1862, consisted of 37 locomotives; 18 passenger, 6 baggage, 4 ex press, 166 box, 102 flat, and 5 boarding cars These have been added during the year, 6 locomo tives; 10 passenger, 4 baggage, 4 express, 11 box, 28 flat, and 6 boarding cars. There have been destroyed by raids, 1 passenger, 2 baggage 45 box, 7 flat and 4 boarding cars.-Leaving or the road July 1, 1863, 43 locomotives; 27 passen ger, 8 baggage, 8 express, 232 box, 123 flat and boarding cars.

CONDENSED BALANCE SHE	ET.	
MAIN STEM.		120
Grading and masonry	2.288.867	59
Railway superstructure	1,660,239	19
Locomotives	358,915	
Rolling stock	305,766	45
Sundry interest accounts	1,138,800	99
Depot grounds	102,949	
Lands for road and stations	99,815	
Depot buildings, shops, stations, etc.	175,194	81
Bridge superstructures	283,944	35
Engineering expenses	230,761	94
Locomotive works	84,682	02
Construction account	102,210	35
Office and agency expenses	74.819	76
Contingent and court expenses	33,484	63
Total cost of road	6.940.452	07
Accounts due the Co \$556,579 29	,-,,	-
Materials on hand 87,772 08		
Real state 5.750 91		
Cash on hand 17,887 31		
Memphis Branch 26,771 61		11
Lebanon " 134,030 99		
	828,792	19

State of Tennessee Back interest Second mort, bonds given for interest

\$7,769,244 26

+ 7.2%	LEBANON BRANCH.	1000	\$10
Grading	and masonry \$25	3.137	62
Railway	superstructure 32	7.006	47
Sundry	nterest accounts	0.339	19
Lands fo	r roads and stations	6,594	98
Construc	tion account	4,270	
Legal an			16
Todar ar		,104	10
TP.	otal cost of road\$1,06	7 791	14
Paul ast	ate, notes, etc	549	40
rear est	ate, notes, etc	049	30
	A1 00	0.000	70
	\$1,06		
Capital	stock	2,878	78
Due Mai	n Stem	4,030	99
" sun	dry contractors	327	16
City of	Louisville bonds loaned 22	5,000	00
Mortgag	dry contractors	8.000	00
Back in	terest	4 995	91
Second	mort. bonds given for interest	5 400	00
Droft at	d loss 2	7 607	20
From ai	10 1085 2	1,091	00
	21.00	0.000	70
		8,330	10
	MEMPHIS BRANCH.		
	ction account		
Locomo	tives 7		
Rolling	stock 4	8,129	30
Sundry	interest accounts 18	3,446	81
1000	TO THE RESIDENCE OF THE PARTY O	4	
T	otal cost of road\$1,12	0.524	02
Due for	bonds sold	614	69
TO .			
	\$1,12 stock\$76	1.138	71
Canital	stools 976	7 005	0
Morton	ge bond account	00,000	0
Dook in		00,000	
Dack in	terest	827	16
Second	mort, bonds given for interest	5,700	01
Due Ma	in Stem 2	6,771	6
" sun	dry persons	1,238	
Profit a	nd loss account 1	9,576	0
	CONTRACTOR SHARE SHARE SHARE	16.30	+
TO THE	\$1,15	21,138	7
Carried Sp.	CONSOLIDATED STATEMENT.		
Cost of	road and branches\$9,12	9 757	9
Roson	ces 66	0,159	0
resoult	00	19,100	0
1.00	AN PARTY AN PARTY	7 011	**
	\$9,79	97,911	1
Capital	stock \$5,89	2,199	4
Bonded	debt 2,99	7,500	0
Floating	g debt	6.714	7
Back in	terest	8 307	0
Profit a	nd loss 7	3,189	C
T TOHE &	nu 1035	0,100	0
	AAR	27 011	
mı	89,7		
-	ffice of the company is at Louis		

The officers and directors are:

President-JAMES GUTHRIE.

Directors—James Guthrie, Thomas Quigley, U. E. Ewing, H. D. Newcomb, James B. Wilder, James Speed, Jo. C. Guild, Russell Huston.

Secretary-WILLIS RANNEY.

Sup't of Transportation-B. MARSHEL.

Sup't of Machinery and Road Department-ALBERT FINK.

Gold's Improved Steam and Water Heating Apparatus

The component parts of Gold's Improved Steam Heating apparatus, manufactured by the Union Steam and Water Heating Company, 634 Broadway, N. Y., are the Generator and Radiator. The Generator or Boiler is made of cast iron, in separate sections, each section a complete boiler in itself. The steam and water connections between the sections being made by means of pipes, without the use of any packing whatever, and should any defect or flaw be discovered in any one of the 14,483 36 castings, the pipes can be disconnected, and plugs 26,900 00 being inserted in the holes, the defective section 8,403 76 can remain in its place until convenient to replace 71,745 75 725,915 93 it, thereby losing only the use of the one section; The actual cost entire will then be but \$218,285 01. and subsequently, when the repairs are made, the

whole boiler. In no other construction of boiler can repairs be made without losing for the time being, the use of the entire heating apparatus. An "Automatic Regulator" is connected with the draft and feed doors, which carefully guards against a waste of fuel, and the generation of more steam than is necessary to supply the wants of the Radiators. Should there be a Register closed, preventing the passage of air from one of the air-chambers, there is at once a diminution of condensation in the contained condensing chambers, and, as a matter of course, an excess of steam in the system, which makes itself felt through the automatic regulator, and reduces the consumption of fuel to the requirement of the diminished demand for steam.

The "Condensing Chambers" or Radiators are, like the Generator, made up of any desired number of cast iron sections, each complete in itself, a sufficient number being united to form the required amount of warming surface for any given locality. These are connected with the Generator by means of pipes, and placed directly under the parts of the building to be warmed, and each story supplied from a separate and distinct chamber of radiators, so that there is no possibility of a transfer of the heat designed for one room to another, under any change of wind, or by a stronger draught in the registers conducting to the upper apartment. The construction of these radiators admits of a very low pressure of steam (not more than one-half pound to the inch being used,) from the fact of their being made with large steam chambers, throughout which the lowest pressure is sufficient to cause the steam to cir-

A complete apparatus, fully illustrating every point of construction, is on exhibition at the office of the Company, where the public are respectfully invited to call and examine this novelty in warming apparatus.

In presenting this valuable improvement in heating apparatus to the public, the Company have no desire that the statements made regarding it shall be received without full investigation. On the contrary, they invite the strictest scrutiny into the construction and operation of the apparatus. And to that end they are ready at all times to substantiate the correctness of everything that is asserted above, and to convince the most skeptical that Gold's Heater stands unrivalled for Economy, Safety and Durability; and moreover, that it is the only Heater that warms without vitiating the atmosphere.

The Wallkill Valley Railroad.

We have received the report of Geo. S. Avery, Esq., engineer, with accompanying estimates and calculations in relation to the Wallkill Valley railroad, which it is proposed to construct from Washingtonville, on the Newburgh branch of the Erie Railway, to Shawangunk village in Ulster Co. The report is also accompanied by an excellent map.

The road is to be 133% miles in length, and its cost is computed at \$16,320 17 per mile, and we have no doubt it can be constructed at that rate, if it is to be exempt from the manipulation of bondholders, bankers, and commission agents. The estimates of receipts from passengers, from \$7,769,244 26 cost is only that of the fractional part of the and between Little Britain and Coldenham, (the

early homes of the Clintons and Coldens,) and Walden and Shawangunk are put at \$6,832 per annum; the milk freight from the same places at \$21,291 66; the general freight at \$12,667 20; and the mails and express \$1,000-being a total of \$41,791 66. We think the estimate of passengers altogether too low, for besides this way travel between the villages, there will arise a large increase of travel through to New York, not only from these places but from a large distance. It is estimated that the business circle around a railway station, on any great through line is equal to thirty miles if there is no competing line; so that the business of at least fifteen or twenty other thriving villages may be considered as likely to be given in great part to this road, which opens for them a new and short route to the City of New York.

The maximum grade is but 50 feet, and the minimum is 6 feet. The curves are easy and occur but seldom.

The resources of the read besides the one of passenger traffic, are the enormous amounts of milk, butter and cheese, which Orange and Ulster Counties produce. The Wallkill Valley is one of the most productive, healthful, and beautiful in the State of New York. On the Wallkill River are thriving manufacturing villages, such as Montgomers, Walden, Shawangunk, Galeville, Tuthill, Bruynswick, where there is a thriving population with numerous factories, flour mills, and a large unemployed water power. As the route is an easy one for construction, the road can readily be put in operation in one year.

The report offers many considerations to induce the parties most nearly affected in interest to give it . their support, all of which are so obvious, so undeniable, and so well sustained in the example of the Warwick road, which has proved a great success, that we need not add any arguments of our own.

The Wallkill road is a necessity, it will be a productive and paying road, it will enhance the value of the farm lands and village plots through which it will pass, afford new markets to many of the agriculturists of Ulster and Orange, and will naturally affect the prices of many descriptions of food in the city of New York, give larger supplies and keep the prices steady. Every such railway at the Wallkill should find friends among our merchants and capitalists, for our working population must be fed and well fed, if industry is to flourish, and our laboring people are to thrive.

An important part of the plan in building this road is to have it extended through Ulster and the other "west side" river counties to Albany, thus giving a through "west side" railroad in connection with the Erie Railway from New York to that city.

The St. Paul Press thus enumerates the railways which are about to be constructed, in connection with that place-viz.: first, the St. Paul and Pacific, the main line between the Minnesota and Mississippi rivers; second, the branch line of the St. Paul and Pacific, north of the Misnne of the St. Paul and Pacific, north of the Mississippi rivers; third, the Superior and Mississippi; fourth, the Cedar Valley; fifth, the Minnesota Valley; sixth, a branch of the Tomah and St. Croix from Prescott; seventh, the Winona and St. Paul; and there is even a considerable probability that an eighth will be built, viz: from St. Paul via Hudson to Bayfield. Bridge over the Susquehauna.

The following is a description of the new railroad bridge now being constructed over the Susquehanna river at Havre-de-Grace, by the Philadelphia, Wilmington and Baltimore Railroad Company: The bridge will be supported by thirteen piers, erected in the river, at the distance of twentyfour feet apart, the entire length of the bridge being 3,300 feet. It is well known that during the winter season the Susquehanna at this point, where the bridge is being erected, is subject to heavy drifts of ice, that would render a bridge not substantially built liable to be carried away. This matter has received full attention at the hands of Mr. George A. PARKER, the engineer of the road, and piers for the support of the bridge are being constructed that might well defy the orslaught of all the ice that ever drifted down the river, combined in one grand attack on said piers But one of these piers is as yet near completion, but another is being rapidly pushed forward.

An idea of the solidity of the foundation of the bridge can be arrived at from a brief description of the manner of constructing the piers. We will take pier Number Three, which is now in a somewhat advanced state, as a sample of the rest. The depth of water at this pier is forty-two feet. Piles have been driven for the support of the pier, and the interstices filled up with stone. These piles have been sawed off by means of an ingenious contrivance, so that they present a flat even surface at the bottom of the river. A wooden platform, four feet thick, rests on these piles, and is securely fastened to the same. A wrought iron caisson, or hollow frame of that material, twentyfour feet in length and eight feet in width, with sharpened ends pointing up and down stream rests securely on this platform; said caisson forming an outside covering to the masonry, which constitutes the main strength of the pier.

This caisson is lowered to its position in the stream by means of a mechanical contrivance, of the cog-wheel order, which lowers the caisson three-eighths of an inch for every revolution of a wheel about twenty inches in diameter. When the said caisson is securely fastened to the platform that rests on the piles the masonry is built up inside of it, which consists of massive granite blocks, about four feet by two in dimensions. The iron work of these caissons vary from one-eighth to one-third of an inch in diameter, and when the pier is completed it extends upwards eleven feet from the surface of the water at low tide, which is beyond the limit of the height of ice so far. Seven of these piers are being built on pile foundations. and six on rock foundations, the stream having both a sandy and rocky bottom at this point.

The estimated cost of the bridge is \$700,000; so far, some \$200,000 have been expended, but the total expense may come under the above sum. It has not yet been decided whether the bridge will be constructed of wood or iron. It was originally intended that iron should be used, but the increased price of that article makes it a matter of some doubt whether the original idea will be carried into effect.

The railway on the bridge will consist of a single track, but it will be of sufficient width to place another track on it if occasion should warrant it. The track will be twenty-five feet from the surface of the water, and the entire height of the bridge will be fifty feet. A highway for the use of carri- in the other.

ages and foot passengers will surmount this bridge. A draw will be attached to the bridge for the ssage of vessels; it will be of the pivot order, and will have two openings of seventy feet each. The weight of the spans from pier to pier will be one and a quarter tons to the foot. Portable iron piers are being used for the purpose of securing the permanent piers to the rocky foundations, These piers are light, and after being used for this purpose they can be used as permanent piers for the draw, when piles cannot be driven. The water varies in depth where the bridge is being built from five to forty-two feet, and runs with an average velocity of three miles per hour. When completed, the "Susquehanna Bridge" will be the grandest work of the kind in the United States, and a perfect triumph of engineering skill.

Opening of the Pacific Railroad.

The San Francisco papers contain accounts of the opening of a portion of the railroad which is to extend from San Francisco to San Jose. The Alta California informs us that this road really composes a part of the great Trans-Continental Road which is to unite the shores of the Atlantic and Pacific. It says :

In California there are three sections and three ompanies; First, the San Francisco and San Jose Railroad Company, which has a section of fifty miles between these two places. Secondly, the Western Pacific Railroad Company, which has a section of one hundred and fifteen miles from San Jose to Sacramento. Thirdly, the Central Pacific Railroad Company, which has the section from Sacramento to the Eastern boundary, in Truckee Valley, a distance of one hundred miles. The San ose Railroad was the first to commence work; it is the only one which has any of its road finished; will be the first to complete its section.

The San Francisco and San Jose Railroad Company was organized in 1860. The capital stock is \$2,000,000, of which \$300,000 was taken by the city of San Francisco, \$200,000 by the county of Santa Clara, \$100,000 by the county of San Mateo, \$500,000 by the contractors, (A. H. Houston and C. McLaughlan,) and \$300,000 by other individual subscribers. All the stock has been taken, and all the assessments have been paid, with some insignificant exceptions. The cost of the road, when complete, will just about absorb the total capital stock. The cost of the road is about \$40,000 per mile. When the road shall have been completed, the Company will receive from the National Government the sum of \$16,000 per mile in Federal

The road is not finished as yet, but about thirtyne miles of it are finished, from the Mission to Mayfield. From the latter point to San Jose the road is graded, and men are at work laying down the iron, of which four hundred tons-enough for five miles—are on hand, and a thousand tons or enough for thirty miles, are due. Only eight hundred tons more are required to complete the road. It is expected that the cars will run through from street to San Jose in December next

The Western Pacific Railroad Company, organized to build the road from San Jose to Sacramento, a distance of one hundred and fifteen miles, will, in three weeks, make an earnest commence ment by grading the road from San Jose to Val-lejo's Mill, a distance of eighteen miles. The route is to pass through the Contra Costa ridge of the Coast Mountains, through the canon of Alameda Creek, and after passing through Sunol Amadore and Livermore Valleys, will cross the Diablo ridge of the Coast Mountains by the Corral Hollow Pass, and thence go direct to Stockton. The route has been finally determined upon, and there is scarcely any doubt that it will be so located. The surveying party are now at Carroll Hollow.

Mr. T. Dame is President of both roads, and

several of the directors in one are also directors

Qualified Stockholders.

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A question having arisen as to the qualifications necessary in this State, to enable stockholders to vote at the election for directors, and to render stockholders eligible as directors, we produce the law upon the subject:

"In the election of directors, each stockholder shall be entitled to one vote, personally or by proxy, on every share held by him thirty days previous to any such election." "No person shall be a director unless he shall be a stockholder, owning stock absolutely in his own right, and qualified to vote for directors at the election at which he shall be chosen."

The General Railroad Law of Pennsylvania

"No share or shares transferred within sixty days next preceding any election, or general meet-ing of the stockholders, shall entitle the holder or ing of the stockholders, shall entitle the holder or holders thereof to vote at any election or general meeting; nor shall any proxy be received, or entitle the holder to vote, unless the same shall bear date, and have been duly executed within the three months next preceding such election or general meeting."

DANIEL STONE, the celebrated bridge builder, died recently in Philadelphia, during a fit of temporary insanity. Mr. Stone has been connected with the business of bridge construction for over twenty-five years. There is scarcely a railroad in the Eastern and Middle States that his skill. The fine bridge over the Susquehanna at Harrisburg and vicinity, are specimens of his "handy work." The bridge at Market street in Philadelphia is another. In fact, to enumerate and write the history of the works executed by him, would be to write the history of most of the railway enterprises of the country. His name deserves to stand recorded near to and along with "Wernwag, Burr and Ellet."

New Railroad to the Coal Fields of Pennsylvania.

Another project has just been started, having for its object the construction of a branch railroad from West Greenville, Penn., to the coal fields of Mercer, Butler and Armstrong counties in that State. The route most talked of will commence on the line of the Atlantic and Great Western Railroad, near West Greenville, and run thence via Mercer to the coal fields. The Argus, alluding to the matter, says: "We learn that work will commence soon, so far at least, as preliminary surveys are concerned, and the character of the parties having charge of the project is a pretty sure indication that it will be carried through. The coal fields which it proposes to open up are very extensive, and the coal is of an excellent quality. The field extends beyond the limits of Butler county to the eastward into Armstrong county. Extensive and favorable leases have been made as far eastward as Brady's Bend, by parties interested in the project,"

It has long been known that veins of coal of almost fabulous thickness, and of superior quality underlie the section of country through which it is proposed to construct this road, and we are pleased to know that the treasure is now in a fair way to be developed.

The Columbia Spy learns that the Reading and Columbia Railroad Company intend starting a branch road at Salunga, to cross the Susquehanna by a new bridge at Chiques.

The traffic of the Great Western R	ailroad	for r
the week ending Nov. 27, 1863, was as		
Passengers	\$19,984	94
Freight and live stock	40,808	94
Mails and sundries	2,515	98
Total	\$ 63.309	86
Total	67,728	73
Decrease		
The earnings of the Grand Trunk I		
the week ending November 21, 1863, w	ere:	

Mans and sundries	** **	** *	 • •	0,011	00
Total	2		 	\$99,573 93,294	88 97
					-

Passengers\$27,747 73

Freight and live stock 66,179 15

١	111010430111111111111111111111111111111
	The earnings of the Chicago and Alton Railroad
	for the 3d week of November, 1863, were:
	Passangers \$15 009 40

Freight Sundries	••••••		29,195 27 1,474 34
Total Same week last year		,	\$46,593 03 26,350 14

Increase \$20,242 89 The approximate earnings of the Marietta and have not upon their great lines the evidences of Cincinnati Railroad, in the 3d week of November, 1863. were:

Passengers \$4,692 Freight 14,131 Mail express and telegraph 872	38
Total\$19,695	72

Same week, 1862	1
Increase	1
Whe servings of the Colone and Chicago Union	

Railroad for the	3d week	of Nov., 1863, were:	
Freight		\$42,671	57
Passengers		10,033	57
Mails		1,300	00

					-		_
	Total week, 1862				 	\$54,005	14
Same	week, 1862		 		 	36 683	43

	HOIO	WID					
The	earni	ngs	of th	e Chic	ago	and Northw	estern
Railway	y for	the	3d	week	in	November,	1863,
were						\$33,8	377 32
Do., 18	62					23,8	351 81

	Increase						\$10,02	5 51
The	earnings							
Chien	Railroad	for	the	3d	week	in	Nov.	have
	week, 1862							

10001110		,			 a local sta	
	I	crease			 \$7,401	98
	from		1,	1863	 1,097,260	20
84				1862	 1,076,415	06

	11	nere	ase		*** ***			. \$20,	845	14
The	ea	rnin	gs o	f th	e Chie	cago	and	Rock	Isla	ind
Railro	ad	for	the	3d	week	of	Nov	ember	, 18	63,
LE COOK		1.5						051	010	00

Railroad	for	the	3d	week	of	November,	1863
were					••••	\$51,3 34,0	16 00
Do., 1002		****					or or

١	The earnings	of the	Michigan	Central	Railro	ad
	for the 3d week	k of No	v., 1863,	were\$7	74,446	08
	Same period, 1	862	· · · · · · · · · · · · · · · · · · ·	7	72,584	26

Increase. \$17,235 00

The earnings of the Toledo and Wabash Raiload Company for the 2d week of November, 1863, ere\$34,292

Decrease \$4,405 05 The earnings of the Michigan Southern and orthern Indiana Railroad for the 3d week of

The Junction Railroad.

The Junction Railroad, on the West side of the Schuylkill river, over which the through trains from New York to Washington now pass, diverges from the Reading Railroad at the foot of the old Inclined Plane, and passes along the river shore to Egglesfield, where it crosses Torr avenue over a bridge, and then under Girard avenue, between Thirty-seventh and Thirty-eighth streets, thence to Westminster street, which is back of Solitude, known as the old Penn Property, where it crosses Thirty-fifth street, and then runs directly alongside of the Pennsylvania Railroad to near Market street. At this point it diverges, and will pass through Mansion street, and under Market, Chesnut and Walnut streets, coming out on the river slope, and thence through the Almshouse and Woodland Cemetery property, so as to connect with the Philadelphia, Wiimington and Baltimore Railroad Company at Gray's Ferry.

The cars of the Philadelphia and Trenton road diverge from the road near Lehigh avenue, and pass over the Richmond branch of the Reading Railroad to the Falls of the Schuylkill, thence on the main line to the Columbia Bridge, where they will meet the Junction road, and pass over it to its intersection with the Pennsylvania Railroad, thence by its Delaware extension to the P., W. & B. R., near the Arsenal. This route will be used until the connecting railroad of the Philadelphia and Trenton Railroad is completed.

The route proposed is as follows: Diverging from the Philadelphia and Trenton Railroad near Frankford, thence on a line half-way between Erie . \$17,321 71 avenue and Venango street to Front, thence turning in a southwesterly direction across the North Pennsylvania Railroad, with bridges over Allegheny avenue, Germantown Pike, Broad street and Germantown Railroad; thence to a line parallel with and immediately in the rear of the Odd Fellows' and Glenwood Cemeteries, and across under Ridge Avenue; thence bridging over Reading Railroad, and running to Point of Rocks, north of the Spring Garden Water Works, and across the Schuvlkill by a new bridge. Bridges will also be constructed over Girard avenue, on the west side of the Schuylkill; also, Thirty-sixth and Thirty-seventh streets, and the Junction Railroad, which will enable the connection to be made directly with the Pennsylvania Railroad near Thirty-fifth street.

The Illinois Central Railroad Company has instructed its London agents to give notice that a cash dividend will be declared in January on both classes of its shares, and on the cancelled bonds scrip, payable to the parties in whose names the shares and scrip are registered, and only upon an order for the entire dividend due

PREFERRED, CANAL, MINING, AND MISCELLANEOUS STOCKS AND BONDS.

	Amount	Div	4	States of the state of the	1111	* 1	, 1	1	State Les Prices resultable asset & 1)	19.6	Pip I		
RAILROADS.	of shares out- standing.	Rate.	Market Price.	Companies.	Par of Sharen,	mount o	Dividenda	Market Price.	COMPANIES.	Par Valu	Paid on Shares.	Number of Share	Divid'nd
lantic & St. Lawrence (guarant'	d) \$2,494,900 600,000	6	7		-	4	D	HE HE	Acton (copper)			200,000	-
eton, Concord & Montreal (pre	f.) 800,000	6 -	-	Charges and Delaware	100	1,343,563	pc	3	Adventure (copper)				
ffalo, N.Y. & Erie (guarantied).	£) 554,000 850,000			Chesapeake and Delaware Chesapeake and Ohio	100	8,224,595		1.00	Albany and Boston (copper) American and Mexican Silver		114	20,000	***
anden & Atlantic (preferred)	620,800	7 -	- 23	Delaware Division	100	1,633,350	-	40	Algomah (copper)			20,000	-
tawiss (preferred)	1,150,000		- 30	Delaware and Hudson Delaware and Raritan	100	7,500,000 2,298,400	10	1796	Arizona (copper)	****	100	10,000	
emung (guarantied)yuga & Sasquebanus (guarantie	d) 343,500		** ****	Erie of PennsylvaniaIllinois and Michigan	50	58,000			Aigomah (copper) Arizona (copper) Aztec (copper) Balt, and N. Carolina (copper)		5		
eshire (preferred)icago & Alton (preferred)	2,017,925	7 -	- 60	Illinois and Michigan	50	2,500,000			Balt, and N. Carolina (copper) Bay State (copper) Bedford (copper) Black River (copper) Bohemian (copper)			20,000	
icago & Alton (preferred) icago & Nerthwestern (pref.) .	2,464,336		90 56	Lehigh Navigation (scrip)	50	1,803,000	6	49	Black River (copper)		4001	20,000	***
checho (preferred)	177,750	8 -	00	Monongahela Navigation	. 50	726,800	8		Back Arver (copper) Bucks County (lead) Cambridge (copper) Caledonia (copper) Canda (copper) Carp Lake (copper)		74	20,000	
de Passumpsic Rivers (guara)	(1.) 49,200	6 -		Morris (consolidated)	100	1,025,000	10	73 139	Bucks County (lead)	****	5	20,000	
mberland Valley (1st preferre	833,000 241,900		8	" (preferred)	100	********			Caledonia (copper)			20,000	
" (2d preferred	243,000		8	Sault Ste MarieSchuylkill Navigation (consolidated	100	1,932,457			Canada (copper)	4	90c.	20,000	
troit & Milwaukee (preferred)	1,500,000		70	" (preferred)	50	2,722,607		33	Carp Lake (copper)	****	****	20,000	
ibuque & Sioux City (preferre mira, Jeff. & Canandaigua (gus	1,982,180 r.) 500,000		72	Susquehanna and Tide Water	50	2,048,260		15	Cascade (copper)		5	20,000	
mira & William-port (pr. ferre	500,000		- 52	Union (preferred)	100	2,750,000 1,000,000	6	110	Chaudiere (copper)		5	20,000	
ie (preferred) nnibal & St. Joseph (preferred arrisburg & Lan aster (guarant	8,535,700 5,309, 28		7 101	Wyoming Valley	100	500,000	6	82	Columbian (copper) Consolidated (copper)		41	20,000	
rrisburg & Lan aster (guarant	d) 1,182,100	7	7	Consumer to the same			-	1	Copake (iron) Copper Falls (copper)			50,000)
ousatonic (preferred)	1,180,000	8	4 74	STEAMSHIP AND TRANSIT: Central American Transit	-			30	Copper Falls (copper)		254	20,000	
dianapolis & Madison (preferred) "" (new pref.)	1). 830,000 247,000	6		Nicaragua Transit					Dana (copper)			20,000	-
" (new pref.)	125,000	6 -		Pacific Mail Steamship	100	4,000,000		211	Hoylestown (conner)				
okawanna & Bloomsburg (pre	500,000	7 -						199	Dudley (copper)			20,000	
rietta & Cincinnati (1st preferr " (2d preferr	d) 5,105,384 d) 3,424,169		70 50	Express:	200			1 7	Everett (copper)			20,000)
chigan & Ac N Indiana (quar)	9 809 800	8 -	- 135	Adams'	500	2,000,000 1,000,000			Evergreen Bluff (copper) Excelsior (gold)		-	20,000	
l. & Prairie du Chien (1st pref	1,051,000		8 109	National	100				Flint Steel River (copper)			20,000	1
lwankee & St. Paul (preferred	2,215,000	7 -		Overland Mail	100	1 500 000			Forest City (copper)			20,000)
w Haven & Northa upton (gu	r.) 1.010.000)	4	United States	100	800,000	•••	****	Franconia (copper)		20	50,000	
w York & Harlem (preferred) agara Br. & Canandaigua (guar	1 1 000 000	8	6 110	_		-,,			Franklin (copper)		8	20,000	
terson & Hudson (guaranied)	630,000	0	8	TELEGRAPH:	100	1,600,000	-	1 1	Franklin (copper) French Creek (copper)			100,000	
terson & Ramano (guarantied) oria & Bureau Valley (guarant			6	Atlantie	100	1,000,000	***	****	Grand Portage (conner)	0	5	20,000	
iladelphia & Reading (preferr	(d) 1,200,000 (d) 1,551,800	7	7 58	A State of the second s	-	. 1117		1	Grander (copper) Grand Portage (copper) Great Western (copper) Guill'ord (copper) Hamilton (copper) Hancock (copier) Hanover (copper) Highland (copper)			20,000	0
iladelphia & Trenton (guarant	d) 1,000,000		0	INSURANCE STOCES:	50	200,000	101	2 1	Guilford (copper)		5	20,000	!
tts., Ft. Wayne & Chicago (pre	2,000,000 450,000	7	6 90	[Columbian (Marine)	100	500,000			Hancock (copper)		48)
rtland, Saco & Portsmouth (gui	r.) 1,500,000	6	6	Mercantile Mutual New England Mutual (Life)	100	000,000			Hanover (copper)			20,000	0
atland & Burlington (preferred	382,700			Washington (Fire)	50	400,000	***		Highland (copper)			20,000	
. L., Alton & Terre Haute (pref.	0.0 1,500,000	6	75		1	,	-		Humboldt (copper)			20,000	
oledo & Wabash (preferred)	926,200	7 -	85	Farmers' Loan and Trust	50	1,000,000		4.9	Huron (copper)	4	121c	20,000	0 2
roy & Greenbush (guarantied). ermont & Canada (guarantied).	1,600,000		8	New York Life Insurance & Trust	100	1,000,000			Indiana (copper)Isle Royale (copper)		104	20,000	5
arren (guarantied)	1,307,750		7	United States Trust	. 100	1,000,000			Jefferson (copper)	-			
hite Mountains (guarantied)	207,000	5	5	LAND AND IMPROVEMENT:		- 11		2	Kickapoo (copper) Knowlton (copper)		- 1	200,000	
rightsv., York & Gettysb'g (gu	r.) 317,050	2	2	LAND AND INPROVEMENT: Boston Water Power Boston and Roxbury Mill Canton (Bultimore) Cary Improvement East Boston Essex (Boston) Waverly (Boston)				473	Madison (copper)			20,000	0
CANAL AND NAVIG.	TION BO	NDS		Canton (Bultimore)	100	5.000,000	***	321	Mandan (copper)			20,000	
14		17	6	Cary Improvement	5	300,000		10	Manhattan (copper)		22.00	20,000	0
DESCRIPTION OF BONDS. Amoun		Principal	payable Market	East Boston	100	1 000 000		13	Mesnard (copper)		34	20,000	0
DESCRIPTION OF BOXDS. out-	g. a Pay-	1	ay	Waverly (Boston)		1,000,000	***	89	Minnesota (copper)	5	50c.	20,000	6
grave but her had but to be the	able.	12	d M					1	Mount Hope (lead)		24	80,000	0
				GAS-LIGHT: Baltimore	100				National (copper) Native (copper) Naumkeag (copper)		- 54	20,000	
hesapeake & Delaware:	43 6 J. & .	J. 18	88 101			1 000 000		850	Naumkeag (copper)			20,000	
1st Mortgage \$2,657,3	1 100		20 10	125 11	. 300	1,000,000						20,000	0
1st Mortgage				Brooklyn	25	2,000,000			New England (copper).				and the
1st Mortgage	00 6 Qrtrly	. 18		Cincinnati	- 25	2,000,000			New England (copper)		24	20,000	1
lst Mortgage	00 6 Qrtrly 00 5 "	. 18 18 18	70	Cincinnati City (Brooklyn)	25	2,000,000			North Western (copper)		2 d	20,000 20,000 20,000	0
1st Mortgage \$2,657,1 1osapeake & Ohlo: Maryland Loan, dollar . 2,000,0 " sterling 4,375,0 Preferred bonds	00 6 Qrtrly	18	70	Cincinnati City (Brooklyn)	25	2,000,000			North Western (copper)		2 d	20,000 20,000 20,000 20,000	0
1st Mortgage	00 6 Qrtrly 00 5 "	18 18 18 18	70	Cincinnati City (Brooklyn)	25	2,000,000			North State (copper) North Western (copper) Norwich (copper) Nova Scotia (gold)		24 b	20,000 20,000 20,000	0
1st Mortgage	00 6 Qrtrly 00 6 00 6 00 6 00 6 J. & 3	7. 18 18 18 18 18 18 J. 18	78 10	Cincinnati City (Brooklyn)	25	2,000,000			North State (copper) North Western (copper) Norwich (copper) Nowa Scotia (gold) Ogima (copper) Ontonagon (copper)		24 8	20,000 20,000 20,000 20,000 20,000 20,000	0
1st Mortgage	00 6 Qrtrly 00 5 00 6 00 6	7. 18 18 18 18 18 J. 18	70 90 78 104 65 107	Brooklyn Cincinnati City (Brooklyn) Citizens' (Brooklyn) Hartford Jørsey City and Hoboken Mauhattan, N. Y., stock) " (scrip). Maryland (Baltimore)	20 - 20 - 50 - 37	4,000,000		128 272 239	North State (copper) North Western (copper) Norwich (copper) Nowa Scotia (gold) Ogima (copper) Ontonagon (copper)		24 6	20,000 20,000 20,000 20,000 20,000 20,000 102,000	0
1st Mortgage	00 6 Qrtrly 00 6 00 6 ——— 00 6 J. & I 00 6 M. & f	7. 18 18 18 18 J. 18 O. 18 S. 18	70 90 78 104 65 107	Brooklyn Cincinnati City (Brooklyn) Citizens' (Brooklyn) Hartford Jørsey City and Hoboken Mauhattan, N. Y., stock) " (scrip). Maryland (Baltimore)	20 - 20 - 50 - 37	4,000,000		128 272 239	Norin State (copper) Norih Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Ottawa (copper) Pennsylvania (copper) Petherick (copper)	25	24	20,000 20,000 20,000 20,000 20,000 102,000 20,000 20,000	0
1at Mortgage	00 6 Qrtrly 00 6 00 6 ——— 00 6 J. & I 00 6 M. & f	7. 18 18 18 18 J. 18 O. 18 S. 18	70 90 78 104 65 107	Brooklyn Cincinnati City (Brooklyn) Citizens' (Brooklyn) Hartford Jørsey City and Hoboken Mauhattan, N. Y., etock) " (scrip) Maryland (Baltimore) Metropolitan, N. Y. New Haven New York	20 50 37 25 100	4,000,000		128 272 239 134	Norin State (copper) Norh Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Ottawa (copper) Pennsyl ania (copper) Petherick (copper)	25	24 6	20,000 20,000 20,000 20,000 20,000 102,000 20,000 20,000 20,000	0
1at Mortgage	00 6 Qrtrly 900 6 000 6	J. 18 18 18 18 J. 18 J. 18 J. 18 J. 18 J. 18 J. 18	70 90 78 103 65 107 70	Brooklyn Cincinnati City (Brooklyn) Citizens' (Brooklyn) Hartford Jersey City and Hoboken Mauhattan, N. Y., (stock) " (scrip) Maryland (Baltimore) Metropolitan, N. Y. New Haven New York Philadelphia Pittsburg	25 20 50 37 25 100	4,000,000		128 272 239 134	Norin State (copper) Norh Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Ottawa (copper) Pennsyl ania (copper) Petherick (copper)	25	24 6	20,000 20,000 20,000 20,000 20,000 102,000 20,000 20,000 20,000	0
1at Mortgage	00 6 Qrtrly 00 5 00 6 00 6 J. & 1 00 6 J. & 1 00 6 M. & 1	J. 18 18 18 18 J. 18 J. 18 J. 18 J. 18 J. 18 J. 18	70 90 78 103 65 107 70	Brooklyn Cincinnati City (Brooklyn) Citizens' (Brooklyn) Hartford Jersey City and Hoboken Mauhattan, N. Y., (stock) " (scrip) Maryland (Baltimore) Metropolitan, N. Y. New Haven New York Philadelphia Pittsburg	25 20 50 37 25 100	4,000,000		128 272 239 134	Norin State (copper) Norh Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Ottawa (copper) Pennsyl ania (copper) Petherick (copper)	25	24 6	20,000 20,000 20,000 20,000 20,000 102,000 20,000 20,000 20,000 20,000	0
1at Mortgage \$2,057; incesapeake & Ohio: Maryland Loan, dollar \$2,000,0	00 6 Qrtrly 00 5 00 6 00 6 J. & I 00 6 M. & S	J. 18 18 18 J. 18 J. 18 J. 18 J. 18 J. 18 J. 18 J. 18	70 90 78 103 65 107 70 65 68	Brooklyn Cincinnati City (Brooklyn) Citizene' (Brooklyn) Hartford Jersey City and Hoboken Mauhattan, N. Y., (stock) " (scrip) Maryland (Baltimore) Metropolitan, N. Y New Haven New York Philadelphia Pittsburg St. Louie Southwark (Philadelphia)	20 50 37 25 100	4,000,000		128 272 239 134	Norin State (copper) Norh Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Ottawa (copper) Pennsyl ania (copper) Petherick (copper)	25	24 6	20,000 20,000 20,000 20,000 20,000 102,000 20,000 4 20,000 20,000 20,000 20,000	000000000000000000000000000000000000000
1at Mortgage \$2,057; hesapeake & Ohio: Maryland Loan, dollar \$2,000, dollar \$2,000, dollar \$1,700, Bonds guar. by Virginia eleaware Division: 1at Mortgage \$600, 300, delaware & Hudson: 1at Mortgage \$600, 300, delaware & Raritan: \$\$e Camden & Amb. RR. rie and Pennsylvania: 1st Mortgage \$150, dollar \$150,	00 6 Qrtrly 900 6 000 6	J. 18 J. 18 J. 18 J. 18 J. 18 J. 18 J. 18 J. 18 J. 18 J. 18	70 78 103 65 107 70 65 68 70 100	Brooklyn Cincinnati City (Brooklyn) Citizens' (Brooklyn) Hartford Jersey City and Hoboken Mauhattan, N. Y. (stock) " (scrip) Maryland (Baltimore) Metropolitan, N. Y New Haven New York Philadelphia Pitteburg St. Louis Southwark (Philadelphia) Williamsburg	20 50 37 25 100	4,000,000		128 272 239 134	Noria State (copper) Norih Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Ottawa (copper) Pennsylvania (copper) Pennsylvania (copper) Pewabic (copper) Phemix (copper) Phemix (copper) Pltisburg and Boston (copper) Placentia B y (lead) Pontiac (copper)	25	24 14 34 10 54 5	20,000 20,000 20,000 20,000 20,000 102,000 20,000 4 20,000 4 20,000 4 20,000 20,000 4 20,000	000000000000000000000000000000000000000
1at Mortgage	00 6 Qrtrly 00 6 00 6 00 6 00 6 00 6 00 6 00 6 00	J. 18 D. 18 J. 18 J. 18 J. 18 J. 18 J. 18 J. 18 J. 18 J. 18	70 78 103 65 107 70 65 70 100	Brooklyn Cincinnati City (Brooklyn) Citizens' (Brooklyn) Hartford Jørsey City and Hoboken Manhattan, N. Y., (stock) " (scrip) Maryland (Baltimore) Metropolitan, N. Y. New Haven New York Philadelphia Pittsburg St. Louis Southwark (Philadelphia) Williamsburg UNCLASSIFIED:	20 50 37 25 100 50	4,000,000		128 272 239 134	Norin State (copper) Norh Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Ottawa (copper) Pennsylvania (copper) Pennsylvania (copper) Pewabic (copper) Phemix (copper) Phemix (copper) Placentia B y (lead) Pontiac (copper) Prince of Wales (copper) Providence (copper)	25	21 11 10 10 5 21	20,000 20,000 20,000 20,000 20,000 102,000 20,000 4 20,000 20,000 4 20,000 20,000	000000000000000000000000000000000000000
1st Mortgage	00 6 Qrtrly 00 5 00 6 00 6 00 6 J. & I. 00 6 J. & I. 00 6 J. & I. 00 7 J. & I. 00 6 M. & I.	J. 18 D. 18 J. 18 J. 18 J. 18 J. 18 J. 18 J. 18 J. 18 J. 18	70 78 103 65 107 70 65 65 66	Brooklyn Cincinnati City (Brooklyn) Citizens' (Brooklyn) Hartford Jørsey City and Hoboken Manhattan, N. Y., «tock) Metropolitan, N. Y New Haven New York Philadelphia Pittsburg St. Louis Southwark (Philadelphia) Williamsburg UNCLASSIFIED: American Coal	20 - 20 - 50 - 37 - 25 - 100 - 50 - 50	4,000,000 750,000		128 272 239 134	Norin State (copper) Norh Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Ottawa (copper) Pennsylvania (copper) Pennsylvania (copper) Pewabic (copper) Phemix (copper) Phemix (copper) Placentia B y (lead) Pontiac (copper) Prince of Wales (copper) Providence (copper)	25	21 11 10 10 5 21	20,000 20,000 20,000 20,000 20,000 102,000 102,000 20,000 20,000 20,000 20,000 20,000	000000000000000000000000000000000000000
1st Mortgage	00 6 Qrtrly 00 6 00 6 00 6 00 6 00 6 J. & I.	J. 18 J. 18	70	Brooklyn Cincinnati City (Brooklyn) Citizens' (Brooklyn) Hartford Jørsey City and Hoboken Mauhattan, N. Y., stock) Metropolitan, N. Y. New Haven New York Philadelphia Pittsburg St. Louis Southwark (Philadelphia) Williamsburg UNOLASSIFIED: American Coal American West India Baltimore Coal	25 - 20 - 50 - 37 - 25 - 100 - 50 - 50 - 25 - 100	4,000,000 750,000 1,500,000 1,000,000		128 272 239 134	Norin State (copper) Norih Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ottawa (copper) Ottawa (copper) Pennsyl ania (copper) Petherick (copper) Pewabic (copper) Pewabic (copper) Phenix (copper) Pitisburg and Boston (copper) Placentia B y (lead) Pontiac (copper) Prince of Wales (copper) Providence (copper) Quartz Hill (gold) Quincy (copper) Rockland (copper) Rockland (copper)	25	24 5 14 10 5 24	20,000 20,000 20,000 20,000 20,000 102,000 102,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000	000000000000000000000000000000000000000
lat Mortgage #2,057; incesapeake & Ohio: Maryland Loan, dollar #2,000,0 Breferred bonds 1,700,0 Bonds guar. by Virginia elaware Division: lat Mortgage 800,0 laware & Hudaon: lat Mortgage 600,0 laware & Raritan: See Camden & Amb. B.R. ric and Pennsylvania: lat Mortgage 161,0 lat Mortgage 72,7 luterest Certificates shigh Navigation 1-1 Mortgage 161,0 lunsecured bonds 2,773,0 lornis: 121 Mortgage 521,0 lorris: 122 Mortgage 523,0 lorris: 465,4	00 6 Qrtrly 00 6 00 6 00 6 00 6 00 6 00 6 00 6 00	J. 18 J. 18	70	Brooklyn Cincinnati City (Brooklyn) Citizene' (Brooklyn) Hartford Jersey City and Hoboken Mauhattan, N. Y., (stock) Maryland (Baltimore) Metropolitan, N. Y New Haven New York Philadelphia Pittsburg St. Louie Southwark (Philadelphia) Williamsburg UNCLASSIFIED: American Coal American West India Baltimore Coal Baltimore and Cuba Smelting.	25 20 37 25 100 50 25 100 25 100 100	4,000,000 750,000 1,500,000		128 272 239 134	Norin State (copper) Norih Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ottawa (copper) Ottawa (copper) Pennsyl ania (copper) Petherick (copper) Pewabic (copper) Pewabic (copper) Phenix (copper) Pitisburg and Boston (copper) Placentia B y (lead) Pontiac (copper) Prince of Wales (copper) Providence (copper) Quartz Hill (gold) Quincy (copper) Rockland (copper) Rockland (copper)	25	24 5 14 10 5 24	20,000 20,000 20,000 20,000 20,000 102,000 20,000 4 20,000 4 20,000 4 20,000 4 20,000 20,000 4 20,000	000000000000000000000000000000000000000
1st Mortgage #2,057; tesapeake & Ohio: Maryland Loan, dollar #2,000,(Breferred bonds 1,700,(Bonds guar. by Virginia elaware Division: 1st Mortgage 800,(elaware & Hudson: 1st Mortgage 800,(elaware & Hudson: 1st Mortgage 300,(elaware & Raritan: See Camden & Amb. RR. rice and Pennsylvania: 1st Mortgage 161, bigh Navigation 1-t Mortgage 2,773, onongahela Navigation: 1st Mortgage 57, orris: 2d Mortgage 57, orris: 1st Mortgage 465, orth Brauch 1,14 Mortgage 500, orth Brauch 1,14 Mortgage 1,14 Mortgag	00 6 Qrtrly 00 6 00 6 00 6 00 6 00 6 00 6 00 6 00	7. 18 18 18 18 18 18 18 18 18 18 18 18 18	70	Brooklyn Cincinnati City (Brooklyn) Citizens' (Brooklyn) Hartford Jersey City and Hoboken Manhattan, N. Y., (stock) " (scrip) Maryland (Baltimore) Metropolitan, N. Y. New Haven New York Philadelphia Pittsburg St. Louis Southwark (Philadelphia) Williamsburg UNCLASSIFIED: American Coal American West India Baltimore and Cuba Smelting Central Transportation	20 20 37(25 100 50 50 25 100 100 100	4,000,000 750,000 1,500,000 1,000,000		128 272 239 134	Noria State (copper) Norih Western (copper) Norwich (copper) Nowa Scotia (gold) Ogima (copper) Ontonagon (copper) Ontonagon (copper) Pennsylvania (copper) Petherick (copper) Phemix (copper) Phemix (copper) Pittsburg and Boston (copper) Placentia B y (lead) Pontiac (copper) Prince of Wales (copper) Providence (copper) Quartz Hill (gold) Quincy (copper) Saginaw (saline and mineral) St. Mary's (copper) Shawangunk (lead)	25	24 5 10 64 5 24 10 5 5	20,000 20,000 20,000 20,000 20,000 102,000 20,000 4 20,000 20,000 20,000 20,000 20,000 102,000	000000000000000000000000000000000000000
lat Mortgage #2,057, incesapeake & Ohio: Maryland Loan, dollar for sterling 4,375, incesapeake & Ohio: Maryland Loan, dollar for sterling 4,375, incesapeake & Ohio: Breferred bonds 1,700, Bonds guar. by Virginia elaware Division: lat Mortgage 800, 2d Mortgage 600, 2d Mortgage 900, 2d Mortgage 700, 2d Mortgage 161, 300, elaware & Raritan: See Camden & Amb.RR 700, 100, 100, 100, 100, 100, 100, 100,	00 6 Qrtrly 00 6 00 6 00 6 00 6 00 6 00 6 00 6 00	J. 18 18 18 18 18 18 18 18 18 18 18 18 18	70	Brooklyn Cincinnati City (Brooklyn) Citizene' (Brooklyn) Hartford Jorsey City and Hoboken Manhattan, N. Y., (stock) Maryland (Baltimore) Metropolitan, N. Y New Haven New York Philadelphia Pittsburg St. Louis Southwark (Philadelphia) Williamsburg UNCLASSIFIED: American West India Baltimore Coal Baltimore and Cuba Smelting Central Transportation Cherry Run Petroleum Cumberland Coal (preferred)	20 50 37, 25 100 50 50 25 100 100 100 100	4,000,000 750,000 1,500,000 1,000,000		128 272 239 134 	Norin State (copper) Norih Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Ottawa (copper) Pennsylvania (copper) Petherick (copper) Pewabic (copper) Pewabic (copper) Pinenix (copper) Pinenix (copper) Pitisburg and Boston (copper) Pitisburg and Boston (copper) Prosidence (copper) Prince of Wales (copper) Providence (copper) Quartz Hill (gold) Quincy (copper) Rockland (copper) Saginaw (saline and mineral) St. Mary's (copper) Shagnaw (fead) Sheldon (copper)	25	2½ 5 5 2½ 1½ 10 5 10 5 5 2½ 10 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	20,000 20,000 20,000 20,000 20,000 102,000 20,000 20,000 4 20,000 20,000 20,000 20,000 110,000	000
1at Mortgage	00 6 Qrtrly 00 6 00 6 00 6 00 6 00 6 00 6 00 6 00	7. 18 18 18 18 18 18 18 18 18 18 18 18 18	770	Brooklyn Cincinnati City (Brooklyn) Citizens' (Brooklyn) Hartford Jersey City and Hoboken Mauhattan, N. Y. (stock) " (scrip) Maryland (Baltimore) Metropolitan, N. Y. New Haven New York Philadelphia Pitteburg St. Louis Southwark (Philadelphia) Williamsburg UNCLASSIFIED: American Coal American West India Baltimore Coul Baltimore and Cuba Smelting Central Transportation Cherry Run Petroleum Cumberland Coal (preferred) Georgie's Creek Coal and Iron	20 20 37(25 100 50 50 25 100 100 100	1,500,000 1,000,000 5,000,000		128 272 239 134 . 90	Norin State (copper) Norih Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Ottawa (copper) Pennsylvania (copper) Petherick (copper) Pewabic (copper) Pewabic (copper) Phenix (copper) Pitisburg and Boston (copper) Placentia B y (lead) Pontiac (copper) Prince of Wales (copper) Providence (copper) Quartz Hill (gold) Quincy (copper) Rockland (copper) Rockland (copper) Saginaw (saline and mineral) St. Mary's (copper) Shawangunk (lead) Sheldon (copper) Sheldon (copper)	25	2½ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	20,000 20,000 20,000 20,000 20,000 102,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 110,000	000000000000000000000000000000000000000
1at Mortgage	00 6 Qrtrly 00 6 00 6 00 6 00 6 00 6 00 6 00 6 00	7. 18 18 18 18 18 18 18 18 18 18 18 18 18	770	Brooklyn Cincinnati City (Brooklyn) Citizene' (Brooklyn) Hartford Jorsey City and Hoboken Mauhattan, N. Y. (stock) " (scrip). Maryland (Baltimore). Metropolitan, N. Y New Haven New York Philadelphia Pittsburg St. Louie. Southwark (Philadelphia). Williamsburg UNCLASSIFIED: American Coal Baltimore Coal Baltimore Coal Baltimore and Cuba Smelting. Central Transportation Cherry Run Petroleum Cumberland Coal (preferred). George's Creek Coal and Iron Gold Mining of Colorado.	25 - 20 - 377 - 25 - 100	4,000,000 750,000 1,500,000 1,000,000 1,000,000		128 272 239 134 	Norin State (copper) Norwich (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Ontonagon (copper) Pennsylvania (copper) Petherick (copper) Petherick (copper) Petherick (copper) Petherick (copper) Pitaburg and Boston (copper) Placentia B y (lead) Pontiac (copper) Prince of Wales (copper) Prince of Wales (copper) Quartz Hill (gold) Quincy (copper) Saginaw (saline and mineral) St. Mary's (copper) Shadon (copper) Sheldon (copper) Sheldon (copper) Sheldon (copper) Sheldon (copper) Sheldon (copper) Silver Hill Silver Valley South Side (copper)	25	2½ 1½ 5 10 5 5 5 5 11	20,000 20,000 20,000 20,000 20,000 102,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000	000000000000000000000000000000000000000
1at Mortgage 42,657; hesapeake & Ohio: Maryland Loan, dollar 2,000, dollar 4,375; Preferred bonds 1,700, dollar 200, delaware Division: lat Mortgage 800, delaware & Hudson: lat Mortgage 800, delaware & Hudson: lat Mortgage 300, delaware & Raritan: See Camden & Amb. RR. rie and Ponnsylvania: lat Mortgage 752, delaware & Holigh Awigation: lat Mortgage 2,773, delay delaware & Hortgage 2,773, delay delaware & Hortgage 57, delay dela	00 6 Qrtrly 00 6 00 6 00 6 00 6 00 6 00 6 00 6 00	J. 18 18 18 18 18 18 18 18 18 18 18 18 18	770	Brooklyn Cincinnati City (Brooklyn) Citizene' (Brooklyn) Hartford Jersey City and Hoboken Mauhattan, N. Y. (stock) " (scrip). Maryland (Baltimore). Metropolitan, N. Y New Haven New York Philadelphia Pittsburg St. Louie. Southwark (Philadelphia). Williamsburg UNOLASSIFIED: American Coal American West India Baltimore Coal Baltimore Coal Baltimore and Cuba Smelting. Central Transportation Cherry Run Petroleum Cumberland Coal (preferred) George's Creek Coal and Iron Gold Mining of Colorado Hazleton Coal	20 20 377 377 50 100 500 100 100 100 100 100 100 100	4,000,000 750,000 1,500,000 1,000,000 1,000,000		128 272 239 134 	Norin State (copper) Norih Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ottawa (copper) Ottawa (copper) Pennsyl ania (copper) Petherick (copper) Petherick (copper) Pewabic (copper) Phenix (copper) Pitteburg and Boston (copper) Placentia B 'y (lead) Pontiac (copper) Prince of Wales (copper) Providence (copper) Quartz Hill (gold) Quincy (copper) Rockland (copper) Rockland (copper) Saginaw (saline and mineral) St. Mary's (copper) Shawangunk (lead) Sheldon (copper) Silver Hill Silver Valley South Side (copper)	25	2½ 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	20,000 20	000000000000000000000000000000000000000
1at Mortgage 42,657; hesapeake & Ohio: Maryland Loan, dollar 2,000, dollar 4,375; Preferred bonds 1,700, dollar 200, delaware Division: lat Mortgage 800, delaware & Hudson: lat Mortgage 800, delaware & Hudson: lat Mortgage 300, delaware & Raritan: See Camden & Amb. RR. rie and Ponnsylvania: lat Mortgage 752, delaware & Holigh Awigation: lat Mortgage 2,773, delay delaware & Hortgage 2,773, delay delaware & Hortgage 57, delay dela	00 6 Qrtrly 00 6 00 6 00 6 00 6 00 6 00 6 00 6 00	J. 18 18 18 18 18 18 18 18 18 18 18 18 18	770	Brooklyn Cincinnati City (Brooklyn) Citizene' (Brooklyn) Hartford Jersey City and Hoboken Mauhattan, N. Y. (stock) " (scrip). Maryland (Baltimore). Metropolitan, N. Y New Haven New York Philadelphia Pittsburg St. Louie. Southwark (Philadelphia). Williamsburg UNOLASSIFIED: American Coal American West India Baltimore Coal Baltimore Coal Baltimore and Cuba Smelting. Central Transportation Cherry Run Petroleum Cumberland Coal (preferred) George's Creek Coal and Iron Gold Mining of Colorado Hazleton Coal	20 20 377 377 50 100 500 100 100 100 100 100 100 100	4,000,000 750,000 1,500,000 1,000,000 1,000,000		128 272 239 134 	Noria State (copper) Norib Western (copper) Norwich (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Pennsylvania (copper) Petherick (copper) Petherick (copper) Petherick (copper) Phemix (copper) Phemix (copper) Pitisburg and Boston (copper) Placentia B y (lead) Pontiac (copper) Prince of Wales (copper) Providence (copper) Quartz Hill (gold) Quincy (copper) Saginaw (saline and mineral) St. Mary's (copper) Shawangunk (lead) Sheldon (copper) Shawangunk (lead) Sheldon (copper) Silver Hill Silver Valley South Side (copper) Star (copper) Star (copper) Star (copper)	25	2½ 5 5 1 6 5 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6	20,000 20,000 20,000 20,000 20,000 20,000 102,000 20,000 2	000000000000000000000000000000000000000
lat Mortgage #2,057; incesapeake & Ohio: Maryland Loan, dollar	00 6 Qrtrly 00 6 00 6 00 6 00 6 00 6 00 6 00 6 00	J. 18 18 18 18 18 18 18 18 18 18 18 18 18	770	Brooklyn Cincinnati City (Brooklyn) Citizene' (Brooklyn) Hartford Jorsey City and Hoboken Mauhattan, N. Y., (stock) Maryland (Baltimore) Metropolitan, N. Y New Haven New York Philadelphia Pittsburg St. Louie Southwark (Philadelphia) Williamsburg UNOLASSIFIED: American Coal Hastimore Coal Baltimore Coal Baltimore and Cuba Smelting Central Transportation Cherry Run Petroleum Cumberland Coal (preferred) George's Creek Coal and Iron Gold Mining of Colorado Hazleton Coal Hudson River Bridge Mariposa (gold) Marragelian (Coal	25 - 20 - 20 - 20 - 25 - 25 - 100 - 25 - 100 - 1	4,000,000 750,000 1,500,000 1,000,000 1,000,000		128 272 239 134 	Norin State (copper) Norwich (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Ontonagon (copper) Pennsylvania (copper) Petherick (copper) Petherick (copper) Pewabic (copper) Pewabic (copper) Pitteburg and Boston (copper) Pitteburg and Boston (copper) Pitteburg and Boston (copper) Prince of Wales (copper) Prince of Wales (copper) Providence (copper) Quartz Hill (gold) Quincy (copper) Rockland (copper) Rockland (copper) Saginaw (saline and mineral) St. Mary's (copper) Shawangunk (lead) Sheldon (copper) Silver Hill Silver Valley South Side (copper) Springfield (copper) Star (copper) Star (copper) Star (copper) Tottee (copper)	25	2½ 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	20,000 20,000	000000000000000000000000000000000000000
1at Mortgage	00 6 Qrtrly 00 6 00 6 00 6 00 6 00 6 00 6 00 6 00	J. 18 18 18 18 18 18 18 18 18 18 18 18 18	770	Brooklyn Cincinnati City (Brooklyn) Citizene' (Brooklyn) Hartford Jorsey City and Hoboken Mauhattan, N. Y., (stock) Maryland (Baltimore) Metropolitan, N. Y New Haven New York Philadelphia Pittsburg St. Louie Southwark (Philadelphia) Williamsburg UNOLASSIFIED: American Coal Hastimore Coal Baltimore Coal Baltimore and Cuba Smelting Central Transportation Cherry Run Petroleum Cumberland Coal (preferred) George's Creek Coal and Iron Gold Mining of Colorado Hazleton Coal Hudson River Bridge Mariposa (gold) Marragelian (Coal	25 - 20 - 20 - 20 - 25 - 25 - 100 - 25 - 100 - 1	4,000,000 750,000 1,500,000 1,000,000 1,000,000		128 272 239 134 	Norin State (copper) Norih Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Pennsylvania (copper) Petherick (copper) Petherick (copper) Petherick (copper) Phemix (copper) Phemix (copper) Placentia B y (lead) Pontiac (copper) Providence (copper) Providence (copper) Providence (copper) Saginaw (saline and mineral) St. Mary's (copper) Saginaw (saline and mineral) St. Mary's (copper) Shawangunk (lead) Sheldon (copper) Shawangunk (lead) Sheldon (copper) Shawangunk (lead) Sheldon (copper) Shawangunk (lead) Sheldon (copper) Sulver Hill Silver Valley South Side (copper) Springfield (copper) Star (copper) Superior (copper) Totice (copper) Tremoni (cop er)	25	2½ 5 5 5 5 1 6 5 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1	20,000 20,000 20,000 20,000 20,000 102,000 20,000 2	000000000000000000000000000000000000000
1at Mortgage 42,657; hesapeake & Ohio: Maryland Loan, dollar 2,000, dollar 3,750; Preferred bonds 1,700, Bonds guar, by Virginia elaware Division: lat Mortgage 800, delaware & Hudson: lat Mortgage 300, delaware & Raritan: Sec Camden & Amb. B.R. rie and Pennsylvania: lat Mortgage 161, delaware & Camden & Amb. B.R. rie and Pennsylvania: lat Mortgage 161, delay Navigation 1-4 Mortgage 2,773, donongahela Navigation: lat Mortgage 52, delay dortgage 52, delay delay & Tide Water 164, delay 164, de	00 6 Qrtrly 00 6 00 6 00 6 00 6 00 6 00 6 00 6 00	. 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	770	Brooklyn Cincinnati City (Brooklyn) Citizens' (Brooklyn) Hartford Jersey City and Hoboken Manhattan, N. Y., (stock) Maryland (Baltimore) Metropolitan, N. Y. New Haven New York Philadelphia Pittsburg St. Louis Southwark (Philadelphia) Williamsburg UNCLASSIFIED: American Coal American Coal Baltimore and Cuba Smelting Central Transportation Cherry Run Petroleum Cumberland Coal (preferred) George's Creek Coal and Iron Gold Mining of Colorado Hazleton Coal Hudson River Bridge Mariposa (gold) Metropolitan Coal New Almaden (quicksilver) New Jersey Zinc	25 - 20 - 20 - 25 - 25 - 100 - 25 - 100 -	1,500,000 1,500,000 1,000,000 1,000,000 1,000,000		128 272 239 134 . 90 . 145 . 9 . 32 . 71	Norin State (copper) Norih Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Ontonagon (copper) Pennsylvania (copper) Petherick (copper) Petherick (copper) Petherick (copper) Petherick (copper) Pinenix (copper) Pitisburg and Boston (copper) Placentia B y (lead) Pontiac (copper) Prince of Wales (copper) Prince of Wales (copper) Providence (copper) Rockland (copper) Saginaw (saline and mineral) St. Mary's (copper) Shadon (copper) Sheldon (copper) Sheldon (copper) Sheldon (copper) Silver Hill Silver Valley South Side (copper) Springfield (copper) Star (copper) Star (copper) Toitec (copper) Tremoni (cop er) Union (lead) Vermont (copper)	25	2½ 5 5 5 5 11 5 6 4 19 9	20,000 20,000 20,000 20,000 20,000 102,000 20,000	000000000000000000000000000000000000000
lat Mortgage #2,057; hesapeake & Ohio: Maryland Loan, dollar #2,000, dollar #3,750; Preferred bonds 1,700, Bonds guar. by Virginia eleaware Division: lat Mortgage 800, eleaware & Hudson: lat Mortgage 800, eleaware & Hudson: lat Mortgage 800, eleaware & Raritan: See Camden & Amb. RR. rie and Pennsylvania: lat Mortgage 161, eleaware & Hotigage 172, eleaware & Hotigage 173, eleaware & Hotigage 173, eleaware & Hotigage 173, eleaware & Hotigage 173, eleaware & Hotigage 174, eleaware & Hotigage 176, eleaware & Hotigage 184, eleaware &	00 6 Qrtrly 00 6 00 6 00 6 00 6 00 6 00 6 00 6 00	18 18 18 18 18 18 18 18 18 18 18 18 18 1	770	Brooklyn Cincinnati City (Brooklyn) Citizens' (Brooklyn) Hartford Jersey City and Hoboken Manhattan, N. Y., (stock) Maryland (Baltimore) Metropolitan, N. Y. New Haven New York Philadelphia Pittsburg St. Louis Southwark (Philadelphia) Williamsburg UNCLASSIFIED: American Coal American Coal Baltimore and Cuba Smelting Central Transportation Cherry Run Petroleum Cumberland Coal (preferred) George's Creek Coal and Iron Gold Mining of Colorado Hazleton Coal Hudson River Bridge Mariposa (gold) Metropolitan Coal New Almaden (quicksilver) New Jersey Zinc	25 - 20 - 20 - 25 - 25 - 100 - 25 - 100 -	1,500,000 1,500,000 1,000,000 1,000,000 1,000,000		128 272 239 134 . 90 . 145 . 9 . 32 . 71	Norin State (copper) Norih Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ottawa (copper) Ottawa (copper) Pennsyl ania (copper) Petherick (copper) Petherick (copper) Pewabic (copper) Pewabic (copper) Phenix (copper) Pitteburg and Boston (copper) Placentia B 'y (lead) Pontiac (copper) Prince of Wales (copper) Providence (copper) Quartz Hill (gold) Quincy (copper) Rockland (copper) Rockland (copper) Saginaw (saline and mineral) St. Mary's (copper) Shawangunk (lead) Sheldon (copper) Silver Hill Silver Valley South Side (copper) Star (copper) Star (copper) Star (copper) Toltec (copper) Toltec (copper) Toltec (copper) Toltec (copper) Tremont (copper) Union (lead) Vermont (copper) Wat-rloo (copper) Wat-rloo (copper) Wat-rloo (copper) Wat-rloo (copper)	25	2½ 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	20,000 20,000	000
lat Mortgage #2,057; hesapeake & Ohio: Maryland Loan, dollar #2,000, dollar #3,750; Preferred bonds 1,700, Bonds guar. by Virginia eleaware Division: lat Mortgage 800, eleaware & Hudson: lat Mortgage 800, eleaware & Hudson: lat Mortgage 800, eleaware & Raritan: See Camden & Amb. RR. rie and Pennsylvania: lat Mortgage 161, eleaware & Hotigage 172, eleaware & Hotigage 173, eleaware & Hotigage 173, eleaware & Hotigage 173, eleaware & Hotigage 173, eleaware & Hotigage 174, eleaware & Hotigage 176, eleaware & Hotigage 184, eleaware &	00 6 Qrtrly 00 6 00 6 00 6 00 6 00 6 00 6 00 6 00	18 18 18 18 18 18 18 18 18 18 18 18 18 1	770	Brooklyn Cincinnati City (Brooklyn) Citizene' (Brooklyn) Hartford Jorsey City and Hoboken Mauhattan, N. Y., (stock) Maryland (Baltimore) Metropolitan, N. Y New Haven New York Philadelphia Pittsburg St. Louie Southwark (Philadelphia) Williamsburg UNOLASSIFIED: American Coal Hastimore Coal Baltimore Coal Baltimore and Cuba Smelting Central Transportation Cherry Run Petroleum Cumberland Coal (preferred) George's Creek Coal and Iron Gold Mining of Colorado Hazleton Coal Hudson River Bridge Mariposa (gold) Marragelian (Coal	25 - 20 - 20 - 25 - 25 - 100 - 25 - 100 -	1,500,000 1,500,000 1,000,000 1,000,000 1,000,000		128 272 239 134 . 90 . 145 . 9 . 32 . 71	Norin State (copper) Norih Western (copper) Norwich (copper) Nova Scotia (gold) Ogima (copper) Ontonagon (copper) Ontonagon (copper) Pennsylvania (copper) Petherick (copper) Petherick (copper) Petherick (copper) Petherick (copper) Pinenix (copper) Pitisburg and Boston (copper) Placentia B y (lead) Pontiac (copper) Prince of Wales (copper) Prince of Wales (copper) Providence (copper) Rockland (copper) Saginaw (saline and mineral) St. Mary's (copper) Shadon (copper) Sheldon (copper) Sheldon (copper) Sheldon (copper) Silver Hill Silver Valley South Side (copper) Springfield (copper) Star (copper) Star (copper) Toitec (copper) Tremoni (cop er) Union (lead) Vermont (copper)	25 5	2½ 5 5 5 5 11 5 5 5 12 12 12 12 12 12 12 12 12 12 12 12 12	20,000 20,000	000000000000000000000000000000000000000

CITY PASSENGER RAILROAD SHARE AND BOND LISTS.

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18.7	train.	gth.	Equip- ment.	2000000 21171920	d and	7	Indel		Earn		on paid		ce.	DESCRIPTION.	Amount out. standing.	Pay-	Princip payab	Market
ear ding.	Completed: val't in single	In progress projected	Horses, 2-horse, 1-horse,	Companies.	Cost of Road Equipment	Share Capital paid in.	Bonded Debt.	Floating Debt.	Gross.		Dividends o capital.	Par Value.	Market Price.	Broadway [Brooklyn]: Real Estate Mortgage Brooklyn Centr. & Jamaica: 1st Mortgage Brooklyn City.	27,500	Months. 7 J. & J. 7 J. & D.	Var.	
ov. 162 ov. 162	m. 1.52 4.30		No No N	MASSACHUSETTS. Boston and ChelseaBroadway, Boston	140,000			750	\$ 5,600	\$ 5,600 9,225 53,622	p. c. 4 121		49 65	lst Mortgage Brooklyn City & Newtown 1st Mortgage		Const. 306		-
ov. '62 ov. '62 ov. '62	8.21 6.99 4.39	=	27	Cambridge	118,020 602,651 95,500	69,200 445,800 70,000	25,000	74 3,748	69,580 53,622 625 8,306	7,467	9 71		1254	Cambridge:	100	6 J. & J.	Section .	1
v. '62	0.79	=	123 23	Dorchester Dorchester Extension Dorchester and Roxbury Lynn and Boston	155,594 12,800 25,641 193,310	120,800 12,800 11,000	7,800 50,000	7,932 55,547	1,024	1,024	8		464	1st Mortgage	101,000	- 100	uint.	1
v. '62	3.51		515 82	Malden and Melrose Medford and Charlestown	60,200 34,000	86,200 200,000 22,000	73,100 12,000	66,223	2,040	2,040	6		25 6×4	lst MortgageCitizens' [Pittsburg]: lst MortgageCliftondale:	47,800	7 J. & J	1870	-
v. '62 v. '62	6.33	13		Metropolitan (Boston) Middlesex (Boston) Newton	733,955 461,730 27,451	600,000 355,000 28,000	20,000	59,457	300,806 124,718 1,680	64,892 41,398 1,680	6		1074	1st Mortgage	25,000	DETTINA	PAST I	
v. '62 v. '62 v. '62	2.79	=		Quincy	102,750 50,000 33,505	53,000 50,000 32,000	20,000	29,750	2,500 1,497	4,841 2,500 500	5			Delaware County:		Transit.	0 590	
v. '62 v. '62 v. '62	1.62		287 50	Suffolk (Boston) Union (Transportation) West Cambridge	61,380 174,500 12,850	12,257 160,000 12,850	24,800 22,200	23,625 18,307 120	29,083 197,222 771	17,078	10-6		47	Real Estate Mortgage	5,000	6		
v. 162 v. 162 v. 162	2.64	-		West Roxbury Winnisimmet Worcester	62,152	62,200	*****	4,798	3,750	3,750	6			Dorchester and Roxbury: 1st Mortgage	7,800	6 J. & J		
c. '62	1.1	1.	11 3-	CONNECTICUT. Hartford City New York.	30,000	30,000	5-1	-			-			Frankford and Southwark: 1st Mortgage	200,000	7 J. & J	. 1869	1
p. '62 p. '62 p. '62	10.76	6.50	26	Broadway (Brooklyn)	236,036 1,505	200,000 1,505	27,500	324	52,327	14,015	3	100	69	Germantown: 1st Mortgage Green and Coates St.:	11.	7 J. & J		,
p. '62 p. '62 p. '62	24.01 56.1	1.90	69 26 140 24	Brooklyn Central & Jamaica Brooklyn City	794,912 1,332,506 267,628	492,150 1,000,000	252,100	10,000	127,843 491,629 30,944	118,390		100	48 150 58	1st Mortgage Hestonville, Mantua & Fair	1000	7 J. & J	1870	
p. '62 p. '62 p. '62	=	2.50		Brooklyn City Brooklyn City and Newtown Brooklyn City & Ridgewood Buffalo Street Control City (Suppose)	51,328	53,500					- 10			mount: 1st Mortgage Hoboken and Weehawken:	40,000	7 J. & J	1869	,
). '62). '62	17.25			Central City (Syracuse) Central P'k, N.&E.Riv. (N.Y.) Conev Island and Brooklyn	454,554 501,364	493,800		7,689 2,717		6,874		100	69	1st Mortgage Lynn and Boston :	60,000	7 M. & 8	1872	-
p. '62 p. '62 p. '62	12.67			East & North River (N. Y.)- Eighth Avenue (N. Y.)- Fourteenth Street (N. Y.)	938,365			25,000	369,985	121,565		100		1st Mortgage [road] 1st Mortgage [equipment	50,000 40,000	6 M. & 8	. 71-77	2
p. '62 p. '62 p. '62	4.6			Grand St. & Newtown (W'g) Harlem Br., Moris'a & Ford'm Main & Ohio St. (Buffalo)							8			Malden and Melrose: 1st Morigage guarantied.	60,000	6	1880)
p. '62	10.00	16.00		Niagara Street (Buffalo) Ninth Avenue (N. Y.) N.Riv.&Wall st.Ferry(N.Y.)	413,948	795,360	22,000		89,498	19,430		100		Medford and Charlestown: lst Mort, [Winter St. Br.] Metropolitan:	12,000	6		
p. '62 p. '62 p. '62	16.00	11.00		Rochester City & Brighton	1,200	1,200 1,700 650,000	450,000	42,500	243,066	51,499		100	88	Metropolitan: lst Mortgage Real Estate Mortgage Middlesex:	20 April	6		
p. '62 p. '62 p. '62	8.3	-	533 59 3	Second Avenue (N. Y.) Seventh Avenue (N. Y.) Sixth Avenue (N. Y.) Tenth Av & 32d st. (N. Y.)	1,089,317	750,000	25,000		358,032	*****	-	100	185	Maiden & Melrose bonds Real Estate		6	1870	
p. '62 p. '62 p. '62	-		103	Third Avenue (N. Y.) Troy and Lansingburg Utica City.	1,757,029	1,170,000			580,736	211,939	12	100	240	Ninth Avenue: 1st Mortgage North Philadelphia:		and to		
o. '62 o. '62	-	1.00	7	V.Brunt st. & Krie Bas. (Buff.) New Jessey. Hoboken and Hudson City.	298 32,000	330		2,000		-		0.00		1st Mortgage	. 100,000	7 J. & J	1869	
c. '62 c. '62	5.0	250	8 -	- Hoboken and Weehawken . Jersey City & Bergen Point	134,400			2,000	17,228	9,986	3			Philadelphia and Darby: lst Mortgage	135,000	10		
c. '02 t. '62	1	1	120 22	West Hoboken & Hoboken. PENNSYLVANIA.	100,000	40,000	-		******				574	Ferry:	8	7 J. & .	1 .	
t, '62 t, '62 t, '62	8.1	3	122 13 15 5	PENSYLVANIA 1 Chestnut & Wainut (Phila.) 8 Clitizons' (Pittsburg) Delaware County Fairmount & Arch st. (Phil.) 6 Frankford & Southw'k (Ph.)	235,000 135,044 31,000	80,000 24,030		3,991	4,858	47,180	25			Pittsburg, Allegheny an Manchester:				
t. '62	24.2	3	267 45 184 35	6 Frankford & Southw'k (Ph.) Germantown	195,845 668,520 299,913	442,045 112,245	200,000 250,000	1,000	62,052 172,935 106,792 62,862	16,534 59,743 35,431 19,715	7		58 59	Pittsburg & Birmingham: 1st Mortgage	22,600	7 J. & .	-	
t. '62 t. '62 t. '62	8.7	3	116 25 187 40	Grard College (Phila.) Green & Coates st. (Phila.) Hestonv., Mantua & Fairm'nt	150,041 219,787 100,000	160,000 150,000 60,000	82,000		62,862 108,653	19,713	12		27 46	1st Mortgage	. 100,000	7 J. & .	1871	1
t. '62 t. '62 t. '62	11.1	7 0.52	57 10	Lombard & South st. (Phila.) North Philadelphia Philadelphia and Darby	300,000 88,983	200.000	100,000	500	22,241	4,606	2		16	Quincy: Plain bonds	1 2 2 1	M. &	3. 1868	8
t. '62	7.0	4	63 9 69 19	Pittsb., Alleghany & Manch'r Pittsburg and Birmingham. Pittsburg and East Liberty	76,559 63,295 290,000	37,475	17,000 25,000 22,600 100,000	3,329	33,541	2,498				Richmond and Schuylkill: 1st Mortgage	. 30,000	7 J. & .	J. 1870	0
t. '62 t. '62 t. '62	6.1 5.2 7.7	6 -	56 10	Race and Vine (Fairmount) Richmond & Schuylkill (Ph.) Ridge Avenue & Manyunk	180,000 130,000 170,582	180,000	30,000						21	Second and Third Street:	450,000	7 J. & I	1867	7
t. '62 t. '62	19.4 5.5 8.3	6	378 60 46 1 17	9 Second & Third at. (Phila.). 2 17th & 19th st. (Phila.) 5 Spruce & Plan (Phila.)	463,198 113,000 173,010	203,757 120,000	175,800	1,037	286,896	131,646 24,325	24		83 11 14	1st Mortgage	_ 125,000		J. 1868 J. 1869	
16. 162 16. 162 16. 162 16. 162 16. 162 16. 162 16. 162 16. 162 16. 162 16. 162	7.6	5 1.5	170 39 123 16 228 44	6 Frankford & Southw'k (Ph.) Germantown Girard College (Phila.) 4 Green & Coates st. (Phila.) 4 Green & Coates st. (Phila.) Hestonv., Mantua & Fairmin Lombard & South st. (Phila.) North Philadelphia Phitadelphia and Darby Pittsb., Alleghany & Manch'r Pittsburg and Birmingham. Pittsburg and Birmingham. Pittsburg and East Liberty. Race and Vine (Fairmount) Richmond & Schuykill (Ph.) Ridge Avenue & Manyunk. 9 Second & Third st. (Phila.) 2 17th & 19th st. (Phila.) 1 3th & 15th st. (Phila.) 1 3th & 15th st. (Phila.) 1 West Philadelphia Manyland	168,443 100,000 270,563	192,750		9,000	- 68,510	25,740 38,607 21,766	4		47 34 70	1st MortgageSuffolk:	25,000	7 J. & .	- Stain	
ec. 162	21.0	0	340 50 -	Daitimore City	700,000	See In such	100,000	100000	239,050	MI-COS.	0		18	Third Avenue:	1	7 J. &	-	
ec, 162	5.0	0 -		Cincinnati Street City (Cinc.) Passenger	151,913	100,000		*****						Real Estate bonds	60,000		10/0	
ec, '62 ec, '62 ec, '62 ec, '62	1		1 1 1	Passenger (Cinc.) Pendleton & S. st. Mar't (Cin.) Missouri.	Carrier and the	50,000	*****				111		7019	Union: Real Estate Mortgage	100	6 J. & I	1868	8
ov. 102	8.2 3,3 4.4 10.2	9	***	- Citizens' (St. Louis) Missouri (St. Louis)	117,437 76,674 83,875	100,000	******							West Hoboken & Hoboken Ist Mortgage West Philadelphia:	60.000	7 M. 4 1	187	3

FEDERAL AND STATE SECURITIES.

United States Loans. Loan of June 25, 1847	50,00,000 717,141 28,059,295 70,814,639 157,093,241 } 8,423,000 899,000 610,000 8,727,500	6665555566666666333	Jan. & July. """ """ """ """ """ """ """ """ """	1867 1867 1868 1868 1868 1874 1871 1871 1881 1881 1881 1881 188	98 96 98 104 105 108 109 1004 1064 1064 1064	" - " " N. Missouri " Iron Mountain "	Amounts outstand- ing. 3,000,000 600,100 500,000 1,000,000 168,000 210,000 210,000 2500,000 2500,000 2500,000 2500,000 40,000 40,000 7,000,000 4,300,000 4,	6666666		'77-78 1 1493 1883 1880 1878 1879 18-6 '68-'83 1867 1871 1883 '41-'71 1863 1863	1173 100 104 105
Loan of June 25, 1847	8,909,342 } 3,461,000 20,000,000 } 7,022,000 } 1,028,600 } 10,415,000 } 59,042,800 } 40,230,000 50,000,000 52,931,000 80,000,000 717,141 28,050,295 70,814,639 157,093,241 }	6665555566666667775	Yearly. Jan. & July. "" "" "" "" "" "" "" "" "" "" "" "" "	1867 1868 1868 1865 1874 1871 1881 1881 1881 1881 1881 1882 1862 186	105 106 98 98 98 98 96 98 104 105 106 106 106 106 106 106	" - Bounty Fund Loan " " - Coast Defence Loan " " - Buck Bay Loan " Michigan-Renewal Loan (sink'g fd) " " - Canal Loan (sink'g fd) " " - War Loan (" ") " " - Redempuon I'n (" ") " Minnesotastate bonds " coupon " " (Indian war)." " " " (Railroads) " M'esiasippi-State bends (Banks) coupon Missouri-Bank Stock Loan of 1857 coupon Missouri-Bank Stock Loan of 1857 " " " " " " " " " " " " " " " " " "	600, 000 1,000,000 1,000,000 168,000 216,000 100,000 2,000,000 250,000 100,000 2,75,000 2,75,000 2,75,000 2,75,000 2,75,000 2,75,000 2,75,000 200,000 40,000 3,000,000 4,500,000 3,000,000 4,500,000 4,350,000	5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	May & Nov """ """ """ """ """ """ """ """ """	'77-78 1 193 1 883 1 880 1 879 1 8-6 '68-83 1 867 1 871 1 1883 '41-'71 1 863 1 863 1 863 1 863 1 863 1 863 1 863 1 863	100
Coan of Dec. 31, 1843 — registered a coupon Loan of June 14, 1858 — coupon Loan of June 14, 1858 — coupon Loan of June 12, 1860 — coupon Loan of June 22, 1860 — registered a coupon Loan of June 22, 1860 — registered a coupon Loan of Feb. 8, 1861 — registered a coupon Loan of Feb. 8, 1861 — registered a coupon Loan of July 17, 1861 — registered a coupon Loan of Feb. 25, 1862 (5-208) — registered a coupon Loan of Feb. 25, 1862 (5-208) — registered a coupon Loan of July 17, 1861 — registered a coupon Loan of July 17, 1861 — registered a coupon Loan of Feb. 25, 1862 (5-208) — registered a coupon Loan of Feb. 25, 1862 (5-208) — registered a coupon Loan of July 17, 1861 — registered a coupon Loan of July 17, 1861 — registered a coupon Loan of Feb. 25, 1862 (6-208) — registered a coupon Loan of Feb. 25, 1862 (6-208) — registered a coupon Loan of Feb. 25, 1862 (6-208) — registered a coupon Loan of Feb. 25, 1862 (6-208) — registered a coupon Loan of Feb. 26, 1861 — registered a coupon Loan of Loan of Feb. 25, 1862 (6-208) — registered a coupon Loan of Loa	8,909,342 } 3,461,000 20,000,000 } 7,022,000 } 1,028,600 } 10,415,000 } 59,042,800 } 40,230,000 50,000,000 52,931,000 80,000,000 717,141 28,050,295 70,814,639 157,093,241 }	6665555566666667775	Yearly. Jan. & July. "" "" "" "" "" "" "" "" "" "" "" "" "	1867 1868 1868 1865 1874 1871 1881 1881 1881 1881 1881 1882 1862 186	105 106 98 98 98 98 96 98 104 105 106 106 106 106 106 106	" — Bounty Fund Loan " " — Coast Defence Loan " " — Bock Bay Loan " " " " " " " " " " " " " " " " "	500,000 1,000,000 168,000 216,000 216,000 587,000 250,000 250,000 2,000,000 2,275,000 2,275,000 3,000 100,000 40,000 200,000 4,000,000 4,500,000 4,500,000	5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Jan. & July. Jan. & July. G. G	1493 1885 1878 1879 18-6 '68-83 1867 1871 1883 '41-'71 1863 1863 1863 1863 1883 '72-'88	100
Trass Indemnity, of Sep. 9, 1850	3,461,000 { 20,000,000 } 7,022,000 } 1,023,600 } 10,415,000 } 69,042,800 } 40,230,000 60,000,000 62,931,000 62,931,000 62,931,000 62,931,000 62,931,000 62,931,000 62,931,000 62,931,000 62,931,000 62,931,000 62,931,000 63,000,000 610,000 610,000 699,000 610,000 63,727,500	5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Yearly, Jan. & July, "" "" "" "" "" "" "" "" "" "" "" "" "	1868 1865 1874 1871 1871 1881 1881 1881 1881 1881	106 98 98 98 104 105 108 109 1004 1064 1064 1064	"—Buck Bay Loan	168,000 216,000 100,000 587,000 250,000 250,000 250,000 2,000,000 40,000 40,000 40,000 4,000,000 4,500,000 4,350,000	5 6 6 7 6 8 7 7 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Jan. & July. " " " Jan. & July. " " " Jan. & July. " " Jan. & July. " " April & Oet Jan. & July. " " " " " " "	1580 1878 1879 18-6 '68-'83 1867 1871 1883 '41-'71 1863 1863 1863 1863 1863 1863 1863 186	104
Loan of June 14, 1858	20,000,000 } 7,022,000 } 1,023,600 } 10,415,000 } 59,042,800 } 40,230,000 50,000,000 52,931,000 52,931,000 52,931,000 52,931,000 52,931,000 52,931,000 52,931,000 52,931,000 52,931,000 52,931,000 52,931,000 52,931,000 52,931,000 52,931,000 52,931,000 53,000 53,000 53,000 53,727,500	555566668666733	Yearly, Jan. & July. """ """ """ """ """ """ """ """ """	1874 1874 1871 1881 1881 1881 1881 1881	98 96 98 104 105 108 109 1004 1064 1064 1064	Michigan - Renewal Loan	216,000 100,000 587,000 2500,000 250,000 2,275,000 2,000,000 63,000 199,000 40,000 7,000,000 4,600,000 4,600,000 4,350,000	6 7 6 8 7 7 6 6 6 6 6 6 6 6 6 6 6 6 6	Jan. & July. Jan. & July. Jan. & July. April & Oct Jan. & July. " " " " " " " " " " " " "	1879 18-6 '68-'83 1867 1871 1883 '41-'71 1863 1863 1863 1863 1883 '72-'88	104
Control of June 22, 18800 registered a coupon a coupo	7,022,000 } 1,023,600 } 10,415,000 } 59,042,800 } 40,230,000 52,931,000 52,931,000 50,001,011,141 23,050,295 70,814,639 157,093,241 } 8,423,000 899,000 610,000 3,727,500	6 6 6 6 6 6 7.33 5 4 5 6 6	Yearly, Jan. & July, " " " " " " " " " " " " " " " " " " "	1871 1881 1881 1881 1881 1881 1882 1864 1864 1864 1864 1864 1865 d'm'd, 10 d's notic- 1 year	96 98 104 105 108 109 1004 1064 1064 1064	Minnesota—tate bonds — coupon " " " (Indian war)." " " " (Raiiroads)" Mississippi—State bends (Banks) coupon Missouri—Bank Stock Loan of 1857 " " " " " " " " " " " " " " " "	587,000 2,000,000 250,000 100,000 2,275,000 2,000,000 40,000 200,000 7,000,000 4,800,000 4,350,000	68776566666666	Jan. & July. Jan. & July. Jan. & July. April & Oct Jan. & July. "" "" "" "" "" "" "" "" ""	18-6 '68-'83 1867 1871 1883 '41-'71 1863 1863 1863 1863 1863 172-'88	105
Council of Fo. 1, 1861	1,028,600 } 10,415,000 } 59,042,800 } 40,230,000 50,000,000 52,931,000 860,939,500 717,141 28,059,295 70,814,639 157,093,241 } 8,425,000 899,000 610,000 3,727,500	6 6 6 6 6 6 7.33 5 4 5 6 6	Yearly, Jan. & July, "	1881 1881 1881 1881 1881 1882 1882 1864 1864 1866 d'm'd, 10 d's notic- 1 year	104 105 108 109 1004 1004 1064 1064	Minesota-state bonds	250,000 100,000 2,275,000 2,000,000 63,000 199,000 40,000 200,000 4,000,000 4,000,000 4,350,000	8776566666666	Jan. & July. Jan. & Ju'y. Jan. & Ju'y. April & Oet Jan. & July. "" "" "" "" "" "" "" "" ""	1867 1871 1883 '41-'71 1863 1863 1863 1883 '72-'88	106
Council of Fo. 1, 1861	10,415,000 59,042,800 40,230,000 350,000,000 52,931,000 50,00 ,000 717,141 28,059,295 70,814,639 157,093,241 8,423,000 899,000 610,000 8,900 610,000 8,900 8,900 610,000 8,900	6 6 6 6 7.3 7 3 5 6 6 6	Jan. & July. "" "" "" "" "" "" "" "" "" "" "" "" "	1881 1881 1881 1881 1882 1882 1864 1864 1866 d'm'd, 10 d's notic- 1 year	105 108 109 1001 1001 1061 1061	" (Railroads) " " (Rai	2,275,000 2,000,000 63,000 199,000 40,000 200,000 4,600,000 4,600,000 5,000,000 4,350,000	765666666666	Jan, & Juy. April & Oct Jan, & July. "" "" "" "" "" "" "" "" ""	1883 '41-'71 1863 1863 1863 1863 1883 '72-'88	67
coan of July 17, 1861	59,042,800 40,230,000 50,000,000 52,931,000 50,000,000 717,141 28,069,295 70,814,639 157,093,241 8,423,000 899,000 610,000 3,727,500	6 6 6 6 7.3 7 3 4 5 6	May & Nov. Reb. & Ang. April & Oct. On red'mp'n	1881 1881 1882 1882 1864 1864 1865 d'm'd, 10 d's notic- 1 year	1004 1004 1064 1064 1064	Missouri Bank Stock Loan of 1857	63,000 199,000 100,000 40,000 200,000 4,600,000 3,000,000 4,350,000	56666666	Jan, & Juy. April & Oct Jan, & July. "" "" "" "" "" "" "" "" "" "" "" "" "	1863 1863 1863 1863 1883 772 - 188	67
Loan of Fab. 25, 1862 (5-20s)	40,230,000 530,000,000 52,931,000 86,989,500 50,00 717,141 28,059,295 70,814,639 157,093,241 }	6 6 6 7.3 7 3 5 4 5 6	May & Nov. Feb. & Aug. April & Oct. On red'mp'n	1881 1882 1882 1864 1864 1865 d'm'd. 10 d's notic- 1 year	1004 1004 1064 1064 1064	" - Gap'tol Loan of 1657. " - Renewal Loan of 1853	199,000 100,000 40,000 200,000 7,000,000 4,60,000 3,000,000 4,380,000	666666	Jan, & July.	1863 1863 1883 172-188	67
Treasury Notes of Feb. & Aug. 1861.coupon. a Apr. & Oct. & O	350,000,000 80,931,000 80,931,000 717,141 28,069,295 70,814,639 157,093,241 8,423,000 899,000 610,000 3,727,500	6 7.3 7.3 5 4 5 6	Feb. & Aug. April & Oct. On red'mp'n	1882 1864 1864 1865 d'm'd. 10 d's notic- 1 year	106 106 106 101 101	" — Capitol Loan of 1857. " — Renewal Loan of 1883	40,000 200,000 7,000,000 4,600,000 3,000,000 4,380,000	6 6	Jan, & July.	1863 1883 172-188	67
Treasury Notes of 1863 (legal tendery, cuapon Treasury Notes of 1861 & 1892 (customs) Certificates of Deposit	50,00,000 717,141 28,059,295 70,814,639 157,093,241 } 8,423,000 899,000 610,000 8,727,500	73 5 6 6 6	April & Oct. On red'mp'n	1864 1865 d'm'd, 10 d's notice 1 year	100	" —R.R. Loans: Pacific R. Rcoupon " — " " S.W. Branch " " — " " H.& St. Joseph " " — " " N. Missouri " " — " " Iron Mountain "	7,000,000 4,500,000 3,000,000 4,380,000	6 6	66 46	772 -188	67
Treasury Notes of 1863 (legal tender, outpon, creasury Notes of 1861 & 1892 (customs)	50,00,000 717,141 28,059,295 70,814,639 157,093,241 8,423,000 899,000 610,000 8,727,500	4 5 6 6	On red'mp'n	1865 d'm'd, 10 d's notice 1 year	1017	" — " " H&St.Joseph " " — " " N. Missouri " " — " " Iron Monutain "	3,000,000 4,380,000	6			
Certificates of Deposit """""""""""""""""""""""""""""""""""	28,059,295 70,814,639 157,093,241 { 3,423,000 899,000 610,000 38,000 8,727,500	6	" " 3	10 d's notice 1 year	1011	" - " " Iron Mountain "			66 66	73-'87 '72-'87	488
Certificates of Indebtedness	8,423,000 899,000 610,000 38,000 3,727,500	6	4 4 3	1 year	101%			6	1 66 66	P 73-89	4
in coin, on the aggregate debt. Interest payble in coin. Treasury Notes (except for ustoms) payable for all public dues) STATE LOANS. Alabama—State bonds (L. E. B'k)coupon Arkanasa—State bonds (L. E. B'k)coupon description of the state of the st	3,423,000 899,000 610,000 38,000 3,727,500	5		1 year	100	" - " " Platte Co.	650,000 700,000	6	1 11	'87.'89 1889	****
sble in coin. Treasury Notes (except for customs) payable for all public dues] STATE LOANS. Alabama—State bonds (R. E. B'k) coupon Arkanasa—state bonds (R. E. B'k) coupon due in the coupon of the coupo	899,000 610,000 38,000 3,727,500	5 6		1000		" - tate Defense warrants	431,000 7×0,000	9	June & Dec.		
Alabama—State bonds (R. E. B'k)coupon Arkansa—State bonds (R. E. B'k)coupon """ (B'k of State)." """" (B'k of State)." """" (B'k of State)." """"" (B'k of State)." """"""""""""""""""""""""""""""""""	899,000 610,000 38,000 3,727,500	5 6				New Hampshire—State bondscoupon " -Notes	535,100 200,000	6	Feb. & Aug.	1876	
Alabama—State bonds (R. E. B'k)coupon Arkansas—State bonds (R. E. B'k)coupon """""""""""""""""""""""""""""""""""	899,000 610,000 38,000 3,727,500	6				New Jersey-State stock registered	95,000	6	Jan. & July.		
Arkansas—State bonds (R. E. B'k)coupon "" "" (B'k of State)" "" (" ")" "" "" "" "" "" "" "" "" "" "" "" "" "	899,000 610,000 38,000 3,727,500	6	Jan. & July.	1877		" -S'ate bonds (war loan).coupon	531,820 200,000	6	44 64	1871	
California—Civil bonds of 1837	38,000 3,727,500	6) No int'est (1868	****	New York-General Fd: Astor Debt	561,500 348,107	5	Jan. & July.	pleas	
" - " - " - " - " - " - " - " - " - " -		5	many y'rs (Jan. & July	1868 1868	****		900,000 442,961	5	May & Nov.	1875 1868	107
Connecticut - War Fund bonds coupon } " " " " " " " " " " " " " " " " " "	198,500	7		1880	1231		1,189,781	6	Jan. & July.	pleas.	
Florida—State bonds	610,001	6	Jan. & July.	1872 71-72		" " — " " Comptroller's b'nds	700,000 28,698	7 5	46 46	1870 d'm'd	113
Florida – State bonds	1,000,000	6	# ##	181-182 1883	107		11,050	6		d'm'd	
" — " " (R. R. & Flb " " — " " (R. R.) . " " — " " (R. R.) . " " — " " bonds " " — Interest stock "	143,000 72,000	7	Jan A Tule	1872			14,230 421,000	6	Jan. & July.	d'm'd	7
Illinois—New Int. Impr. stockinscribed "	2,073,750	6	Jan. & July.	163-180		" " " " " " " " " " " " " " " " " " "	287,700 [68,000	5	J., A., J., & O. Feb. & Aug.	1864 1876	
" -Interest stock "	525,000 1,970,967	6	Jan. & July.	1870	100	a a a a a a a a	28,000 320,000	D1	J., A., J., & O. Jan. & July.	1860	
	1,322,085 737,222	6	16 16	1860	1031	" -Canal Fund Loans	100,000 6,922,274	5	66 66 66 66	1867	
" —Refunded stock	2,187,000 2,000,000	6	66 66	1879	104	# # _ # # # #	15,88 ,025	6 7		1864	115
" — Canal bonds (sterling) — " " (dollar) — "	1,778,423 1 969,397	6	44 44	1870	101	North Carolina-State bonds coupon	1,200,000 9,129,505	6	Various,	Var.	
ndiana—State stockregistered	5,325,500 2,058,173	5	Jan. & July.	1886 1886	102 81	Onto-State bonds (foreign debt) coupen	1,03,905 1,015,000	6	Jan. & July.	1860 1865	95
" -State Int. Imp bonds (not adjusted)	391,000	24		d'm'd.	55		379,866 2,183,532	6	64 64	1868 1870	
" -Canal Preferred stock	1,371,780 4,079,500	5	May & Nov. Jan. & July.	1881	98 821	# = # # (# #) # # # # # # # # # # # # # # #	1,600,000 4,095,309	6	66 66	1875	104
" = " special stock " Deferred stock "	1,216,787	5	44 44			" = " " (domestic debt)	2,400,000 275,385	6	66 66	1886 1863	108
owa-State stockscoupon	230,000	5	Jan, & July.	1868		" - " (war loan) coupon	299,704	6	66 66 66 66	1866 1868	
u _ u bonds to School Fund u	800,000 122,295	7	Annually.	'81-'82 d m'd.		" -Irreducib'e debt (school funds, etc)	280,969 2,920,403	6	Yearly.	*****	****
Caneas—State bonds (sinking fund)coupon	146,000 54,000	7	Jan. & July.	1876		Oregon—State scrip Pennsylvania—State Stock Loans	55,372 131,200	4	April & Oct.	due.	
" _ " (domestic) "	65,000	6	May & Nov.	1883 '65~'75	****	4 _ 4 4	3,886,070	5	Jan. & July. Feb. & Aug.	due.	
64 65 61 management 6	4,800,000 }	5	16 46	81-91	-		3,690,614 3,241,898	5	Mar. & Sept. June & Dec.	due.	1034
" - " " (bank) "	600,000	5	66 66	1891		-Interest Certificates	210,263 200,000	6.	Feb. & Aug. Jan. & July.	due.	1071
" - " " (war loan) . "	2,000,000	5	45 45 46 65	'91-'96 1871	104	" -State Stock Loans	1,177,890	5	Feb. & Aug.	1.64	
ouisiana-State bonds (R. R. etc.)coupon	516,130 3,902,000	6		d'm'd.	00	4 - 4 4 4	675,029 1,045,629	5	June & Dec.	1864	
" - " " (banks) " " " " (war loan) "	6,398,533 670,000	6					1,558,673 2,277,755	5	Jan, & July.	1868	
Maine—State bondscoupon	1,000,000	6	Mar. & Sept.	'63-'77	105	" -State bondscoupon	1,766,214 4,860,000	5		1870	1001
faryland-State bonds (st'r'g)coupon	816,000	0	Jan. & July.	'81-'83 1865	106	" -Inclined Plane Loan	428,000 400,000	6	April & Oct.	1878	
4 _ 4 (80°P4)	200,376 5,585,555	5		1865	105	" -State bondscoupon " Bank Charter Loans	650,000 360,937	5	Jan. & July.	1882	
" - " " (at'l's conv.) " (dollar) inscribed	2,490,569 500,000	3		189-'90	108	" —Relief Notes in circulation " —Wilitary Loan bonds -coupon	97,360				
" - " " (") "	767,560	5	Chiefly	1888	****	Rhode Island-State bonds (war loan) coupon	3,000,000 2,000,000	6	Feb. & Aug. Mar. & Sept.	1882	108
11 _ 1	399,408 148,711	5	quarterly.	1880		South Carolina—State bends (stg)coupon " — Inscribed certificates	1,708,017	6	**** **** ** ***	768-790	0
" - " " (") "	133,689	6		pleas.		Tennessee-State bonds (banks) coupon	1,310,000 1,125,000	6		1877	594
" - " " (") "	35,000	6		1870 1885		" - " " (intern. impr.) " " (railroads) "	2,063,606 12,799,000	5	**** **** ** ***	Var.	
Massachusetts-State b'ds (Western R.R.).stg.	603,333 3,995,55 5	6	April & Oct.	'89~'90 '68~'71	112	" _ " (capitol) " (Hermitage) _ "	608,000	5	***********	1890	60
" (T. & G.R.R.) "	508,380 416,500	6	4 4	'88 '90		Texas—Had no debt in 1861	48,000		***************************************		
" (Enstru R. R.) "	800,000 800,000	8	Jan. & July.	1099		-State bonds (war loan) coupon	175,000 58,000	6		'62-'68	3
" " (N.&W. RR) "	400,000	6	et et	1870		Virginia—Inscribed certificates (civil)	751,000 404,000	6	Jan. & July Various.	Var.	
" - " (Buildings ac.) "	150,000 200,000	6	June & Dec.	1870		" (railroad)	18 264 619	6			3 65
	845,000 200,000	5	May & Nov.	65-74		West Virginia No information	1,865,000	5		1892	
a serip	94,000 200,000	6	Jan. & July. June & Dec.	1874		A LEGITIME TO HITOTIBILION	200,000	6	A	100 100	
	247,000 58,000	6 5	- 15 FEB 42 FA 1			Wisconsin-State bonds (civil)coupon	100,000 200,000	1 2	April & Oct.	1867	

Labor and Capital.

There is a class of men whose mental vision is always colored by their interests. If their generosity is not overmatched in intensity by selfishness, yet spending most of their time in securing for themselves the comforts of life, they are longer under the influence of those feelings which tend to individual aggrandisement, than they are under those which arise from looking to the wants of others, and assisting in promoting the prosperity of the whole. They consequently see but one-half of the truth, and that half is limited to what happens to be the extent of their individual experiences. Thus we find capitalists who are forever dwelling upon the benefit which the employment of their funds confers upon the individual employee, or laborer, and upon the country at large, and leaving entirely out of view the fact that without the laborers capital itself would be worthless. On the other hand, we find employees who look upon capital as their natural enemy, forgetting that without capital they would be in a still worse condition.

In an important sense, and in a manner more readily apprehended because more immediate in its effect upon the great masses of mankind, capital and labor are antagonistic. But in another, and a far more important sense, capital and labor are mutually beneficial; they are and ought to be fast friends.

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Were we to entirely divorce the two, capital could find no employment, it could earn no interest or dividends, but would lie unemployed in the hands of the holder; while labor, thus left without the power of organization could only supply its thousand wants by the wholly inadequate efforts of its individual hands.

It is the legitimate province of capital to earn to itself interest. For this purpose it is the duty of the capitalist to look about and find the safest and the most lucrative business in which to invest his money. If money is plenty, competition will tend to lessen its value, and the result will be shown by a reduction in the rate of interest, or the sum which people are willing to pay for the loan of its use, If, however, it is scarce the contrary result will follow. It is the right also of the capitalist to make the best use of his money which legitimate business operations will afford, and if in doing this he finds it desirable to divert his money from one branch of trade to another, the employees engaged in the comparatively unprofitable trade cannot justly complain. Such employees may be sufferers thereby, but that the community at large will be gainers is proved by the fact, that they are willing to pay more for the money employed in the new or different business. So too the capitalist has the right to make the best possible use of his money, by employing the cheapest labor the market affords. If a man possessing a limited capital is obliged to pay his business employees three dollars per day, instead of one dollar and a half per day, it is quite evident that he would be able to do but one half the amount of business this is the only view which many (we will not included in part of this arrangement, the Boston the evidence of his father and two other witnesses, clude the mass of American workmen because we and Maine taking the interest which the Dover and Bayner who was called as a witness for the

believe that these are too intelligent) employees take of the subject. But even this antagonism is not without its compensating benefit. If the employer pays his laborer higher wages, he must increase the price of his goods an equal amount, and when this universally takes place all prices increase, and the laborer with his increased wages buys no more of the necessaries of life than he formerly did with his lesser wages. Hence while the employer resists the increase of wages, he is at the same time helping to keep down the prices of all of the commodities which are bought and sold in the community. He may be and usually is governed entirely by selfish motives, but this does not change the beneficial effect of his action.

But the laborer also has the right to demand for himself the best remuneration which he can obtain for his services in the general market. He may leave one employer and go to another, as often as he finds the change beneficial. By this means he makes use of the competition of capitalists to obtain his just dues. The amount of pay he gets is limited by profits which, on the average, accrues in the particular line of business in which he is engaged, and not by the cupidity of the employer or capitalist. Whether laborers or employees have the moral right to band themselves together, and to demand an increase of wages upon condition of resuming work, is questionable if not wholly unjustifiable. Such action can only be defended on the ground that employees are the weaker parties to the contract, and that a union of their strength is necessary in order to make labor equal in the struggle to capital. There may be occasions when such a course is justifiable; as for instance, when a branch of trade is monopolized by a few wealthy men, and the profits earned by the capital invested is proportionately greater than the profits paid to the employees under the name of wages. But as a general rule such organizations are injurious both to the actors and the public; and are no more justifiable than would be a combination of capitalists for the purpose of starving workmen into a willingness to work for lower wages.

The demand for an increase of wages which is now so universal throughout the country is the natural result of the war and the issue of Paper Money. The drain of men to fill the ranks of the union army has rendered laborers more scarce, and consequently the services of those remaining is more valuable. The issue of paper money has made the currency of the country cheaper than formerly; and while an increase of wages is justly due to the laborer in order to make his increase simply equal to what it formerly was, it also tends to absorb the currency and to properly adjust the relative value of all articles of trade in the com-

The Boston and Maine Railway Company has leased the Cocheco Road for a term of years. This arrangement puts an end to the projected road between Dover and Portsmouth, for which a which he could do at the cheaper rate, and of charter was obtained at the last session of the course the return of money for his investment Legislature. The Boston and Maine hires the would be proportionately less. It is therefore Dover and Winnipisseogee for fifty years, paying right for him to come into the labor market and annually \$29,000 for its use, and buying all its accept the services of the lowest bidders. In this rolling stock. This will give the bondholders of manner labor and capital are antagonistic, and the latter 6 per cent. The steamer Dover is in-

Winnipisseogee Road owned in the boat, which was about \$12,000. on the

Rights of Carriers .-- Duties of Consignors. CONSIGNORS BOUND TO INFORM CARRIERS OF THE NATURE OF DANGEROUS ARTICLES SHIPPED BY

The law concerning common carriers consists for the most part of rules prescribing the duties and liabilities of the carrier, but there are certain duties imposed upon the consignor, which are of great importance, though not of so frequent application. Among these duties may specially be noticed the obligation resting upon the shipper of a dangerous article to inform the carrier of its nature, so that he may take the proper precautions against accident. The justice of such a rule is manifest, but the rule itself has seldom been so fully set forth as law, and so well illustrated, as in the late case of Farrant against Barnes, in the English Court of Common Pleas.

This was an action brought by the plaintiff to scover damages for an injury sustained by him from the insufficient packing of a carboy of nitric acid which he was employed to carry for the defendant.

The cause was tried before BLACKBURN, J., at the Summer Assizes at Croydon. It appeared from the plaintiff's evidence that he and his father were in the employ of one Russell, a carrier between London and Croydon; that it was part of the plaintiff's duty to collect goods in the city, and to convey them in a van to the Elephant and Castle at Newington, where he transferred the goods he had collected to a cart, in which they were conveyed to Croydon; that on the 1st of May, 1861, whilst going his round, he met in Cannon street, in the city, one Rayner, a carman in the employ of one Pescott, a railway carrier, who asked him if he would take a carboy, (which he told him contained "acid" without more;) and a bottle for, Croydon; and upon his agreeing to do so Russell brought them and placed them in the plaintiff's van, the carboy being a glass bottle encased in wicker work, weighing a little over 1 cwt., and having attached to its neck a wooden label, on which was written, "Mr. Wateman, dyer, Croydon. Acid;" that he proceeded with his van containing these and various other goods to the Elephant and Castle, at a foot pace; that on his arrival there the other goods having first been taken out, his father removed the carboy from the front to the tail of the van, and put it upon the plaintiffs shoulder; that as he walked with it towards the Croydon, cart part of the contents (which proved to be nitric acid,) escaped, and flying over the plaintiff burned him so severely that he was unable to resume his employment for more than a month, and was still not perfectly cured; that the carboy appeared to be sound when he received it from Rayner; that it received no injury whilst in the van; that he never saw any label on it except the one containing the direction; and that he did not know the contents to be dangerous, and would not have taken it if he had known the fact.

The plaintiff's evidence was corroborated with respect to what passed, when Rayner delivered the carboy to him, by that of his father, and as to what occurred at the Elephant and Castle, by

plaintiff, stated that being at the warehouse of the defendant, who is a dry salter in Lawrence, Pountney Lane, on the day in question, he was asked by the foreman if he could take a carboy and bottle of acid to Croydon: that he told him he could not, as articles of that description were only carried by the railways on Mondays, (when special provision was made for the carriage of dangerous articles;) that the foreman saying he particularly wished it to go, he (Rayner,) asked the plaintiff if he could take it, and on his assenting went back and told the foreman, who then gave him the carboy, which he carried on his back to the plaintiff's van; that he (Rayner,) knew that it was acid and dangerous, but not that it was nitric acid; and that he told the plaintiff article, it was the duty of the defendant who to be careful of it.

It was submitted on the part of the defendant, that there was no case to go to the jury, inasmuch as there was no privity between him and the plaintiff. But the learned judge declining to stop the case, the defendant's foreman was called. He stated that the carboy was securely packed by himself in the usual way; that the bottle was sound; and that it had on it besides the address of the consignee another label, (that of the manufacturer,) which stated what the vessel contained, and which was tied to the handle of the carbov. The witness was corroborated as to this latter fact, by a man who was with Rayner at the time he received the carboy at the defendant's warehouse. Upon this it was urged on the part of the plaintiff, that there was evidence from which the jury might assume that Rayner as the defendants agent, fraudulently removed the label which intimated that the carbov contained nitric acid. The learned judge, however, thought there was no evidence to justify him in leaving that question to the jury.

The learned judge then left it to the jury to say-first, whether they thought the defendant took precautions to make the carrier's servants aware that the article they were about to carry were dangerous-secondly, whether the plaintiff was in fact ignorant that it was dangerous; and if so, whether that arose from want of reasonable prudence and skill on his part-thirdly, whether it was made out to their satisfaction that the accident occurred from the acid being improperly packed unknown to the plaintiff: telling them that they were not to say that the accident arose from bad packing, unless affirmatively satisfied that it was so-fourthly, what amount of compensation the plaintiff was entitled to for the injury he had sustained.

The jury answered the first question in the negative; as to the second, they found that the plaintiff was in fact ignorant, but not from want of reasonable prudence and skill on his part; and as to the third, that it was not proved that the accident occurred from the acid being improperly packed; and they assessed the damages at 50%.

Pursuant to a previous arrangement with the respective counsel, a non-suit was entered; leave being reserved to the plaintiff to move to enter a verdict for 60% on the findings of the jury, if on those and the evidence the court should be of opinion that there was a cause of action for the plaintiff; the court to have all the powers of smendment which the judge had.

ERLE, C. J .- The facts of the case are these: The defendant wishing to have a dangerous article, a carboy of nitric acid conveyed to Croydon, his foreman asked one Rayner, a carman in the employ of a railway carrier to forward it. Being unable in consequence of the company's regulations to forward it by railway in time to answer the defendants purpose, Rayner applied to the plaintiff, the servant of one Russell, a Croydon carrier to take it for him. And thus the carbov was in effect delivered by the defendant to the plaintiff to be carried to Croydon according to his accustomed course of business. The application to the plaintiff being an application to take charge of, and to carry and deliver a dangerous knew the danger to take care that the dangerous character of the article should be made known to all persons who were to be concerned in the carriage of it. The jury have found that he did not do so. There was no evidence as to how the accident occurred; probably it was from the explosive nature of the article. But, be that as it may, if notice had been given of the dangerous character of the article, greater precaution might possibly have been used in the handling of it. I think the plaintiff is brought into such direct contact with the defendant, that the distinction relied on to take the case out of the principle upon which the decision in Langridge vs. Levy, (4 M. & W. 337,) proceeded fails. The defendant knowing the dangerous character of the article, and omiting to give notice of it to the plaintiff, so that he might exercise his discretion as to whether he would take it or not, was guilty of a clear breach of duty. The case, however, upon which I rely is Brass vs. Maitland, (6 Ellis & B. 470.) There the defendants caused a dangerous substance to be put on board the plaintiff's ship, as bleaching powder, without giving him any notice of its dangerous qualities; and by reason of the insufficiency of the casks in which the article was contained, the contents escaped and damaged the rest of the cargo; and it was held by Lord Campbell and Wightman J., that there is an implied undertaking on the part of shippers of goods on board a general ship, that they will not deliver to be carried on the voyage packages of a dangerous nature, which those employed on behalf of the ship owner may not on inspection be reasonably expected to know to be of a dangerous nature, without giving notice.

The present case, even falls within the principle there laid down by Crompton J., who held the liability to be more limited. Lord Campbell says, in giving the judgment of himself and Wightman J., that "where the owners of a general ship undertake that they will receive goods and safely carry them and deliver them at the destined port, I am of opinion that the shippers undertake that they will not deliver to be carried on the voyage packages of goods of a dangerous nature, which those employed on behalf of the ship owner may not on inspection be reasonably expected to know to be of a dangerous character, without expressly giving notice that they are of a dangerous character." Crompton J., says: "Probably an engagement or duty may be implied, that the shipper will use and take due and proper care and diligence not to deliver goods apparently safe, but

and any want of care in the course of the shipment, in not communicating what he ought to communicate, might be negligence for which he would be liable; but where no negligence is alleged, or where the plea negatives any alleged negligence, I doubt extremely whether any right of action can exist." Here it is expressly found by the jury that the defendant took no precaution to inform the plaintiff of the dangerous nature of the article in question when he intrusted it to him to carry. It seems to me that the principle on which the decision of Brass vs. Maitland is founded, taking it in the narrowest and most limited way, authorizes us to say that the defendant in this case is responsible for the injury which the plaintiff has sustained, and that consequently the verdict must be entered for the latter, for the amount of damages assessed by the jury.

WILLES, J .- I am of the same opinion. I apprehend that as matter of legal duty a person who gives another dangerous goods to carry, goods which require more care and caution than ordinary merchandize, and which are likely in the absence of such caution to injure persons handling them, is bound to give notice of their dangerous character to the party employed to carry them, and is liable for the consequences which are likely to ensue from the omission to give such notice. A simple instance of this, is the case of a merchant putting on board a ship, goods which are liable under certain circumstances to spontaneous combustion, or which in the absence of extraordinary care, are likely by escaping to damage other parts of the cargo. It is clear that such a person would be liable to an action at the suit of any one who might be injured by his wrongful omission. This doctrine though more fully considered in the recent case of Brass vs. Maitland, (6 Ellis & B. 470,) is by no means modern. It was considered in Williams vs. the East India Company, (3 East, 192.) The plaintiff there failed in the result for want of proof, that the goods were put on board without due notice of their dangerous character; but the court treat the obligation of the shipper as not resting upon contract, but upon the duty to give notice. Lord Ellenborough says: "In order to make the putting on board wrongful, the defendants must be conusant of the dangerous quality of the article put on board : and if being so they yet give no notice, considering the probable danger thereby occasioned to the lives of those on board, it amounts to a species of delinquency in the persons concerned in so putting such dangerous articles on board, for which they are criminally liable and punishable, as for a misdemeanor at least." The court there treat it as a duty which is owed to all persons who may be injured by the neglect to give notice. What is there laid down may not so far as the supposed criminal responsibility goes, be applicable to a case like this; but it clearly shows that there would be a civil responsibility for the non-performance of this duty by the defendant or his agent.

The case of a shipment of dangerous goods may be an extreme case; but it serves to illustrate the general principle, that wherever a person employs another to carry an article which from its dangerous character requires more than ordinary care, he must give him reasonable notice of the nature of the article, and that if he fails to do really dangerous, without giving notice thereof; so he is responsible for the probable consequences

of his neglect. The only remaining question then here is whether the injury of which the plaintiff omplains, was the probable result of the want of notice. The plaintiff was injured whilst carrying this carboy of nitric acid in the way in which goods of the like bulk are ordinarily carried, viz., on the shoulder. If he had known the nature of the article it is extremely improbable that he would have carried it in that manner. When, therefore we take into account the fact that the plaintiff was the servant of the carrier, and that the carboy was delivered to him to be carried in the ordinary way, it would seem to be a waste of words to argue that the injury was the result of the defendant's omission to give notice.

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KEATING, J .- I am of the same opinion. It is clear that persons sending dangerous articles by a carrier, are bound to give notice of their character. I did not understand Mr. Archibald to contend that there was no duty to give such notice, but that the duty was confined to giving notice to the person employed to carry them, and did not extend to his servants. Without defining the extent to which the duty of the defendant ought to go, I entertain no doubt that it goes to the extent of including the case of the present plaintiff. He was the person to whom the defendant caused the article to be delivered for the purpose of being carried. The defendant knew he was employed to carry and deliver it.

Judgment was accordingly entered for the plaintiff.

Grand Trunk Railway of Canada.--An English View.

The prosperity and progress of a country is so immediately dependent upon the condition of its communications, that we may almost venture to test the condition of a population by the condition of their railways. In this point of view the Report of the Grand Trunk Railway of Canada, recently presented to the bond and shareholders at their general meeting at the London Tavern, would afford a favorable impression of the improvement of Canada. After almost unparalleled depression, the Grand Trunk is beginning to recover itself. Its traffic, though still much below what it ought to be, is steadily increasing, showing, we hope, a corresponding improvement in the condition of the province.

There are few territories to which a railroad promised more advantage. Canada is a new country, and the first want of a new country is a road. ada is an agricultural country, and the first requirement of an agricultural population is access to a market. Canada, moreover, labors under a peculiar physical disadvantage; for nearly six months in every year the country is 'snowed up.' The broad and rapid river St. Lawrence, which forms the natural mode of communication between all parts of Canada and the seaboard, is congealed throughout its course during half of every year. Before the formation of railroads commerce in Canada was therefore, restricted to the summer months. Between November and April transport was impossible, and even ordinary intercourse was not unattended with difficulty, for a sleighing ex cursion of 180 miles, between two such cities as Quebec and Montreal, was an achievement not to be accomplished in a Canadian winter without some danger, and at any rate considerable cost. The opening of the Grand Trunk Railway and of the Victoria-bridge across the St. Lawrence may therefore, almost be said to have added six months in every year to Canadian existence.

Few railways were ever ushered into existence under apparently brighter auspices than the Grand Trunk. It was in April, 1853, that its first prospectus was issued to the British public with the authority of the highest names in Canada, associated with those of the greatest of our London and merchandise, but even extending itself in well as the rent of the realways leased to it; and

erchants. The line itself was propos comprehensive system, protected from the possi-bility of competition as well by natural causes as by legislative enactment." It would, it was said, engross the traffic of a district more than 1,100 engross the trame of a district more than 1,100 miles in length, extending in one direct line from Lake Huron, through the Canadas, to Portland in the State of Maine, and ultimately to St. Johns in New Brunswick, and Halifax in Nova Scotia. Commencing at the debouchure of the three largest Commencing at the debouchure of the three largest lakes in the world, Lake Superior, Lake Michigan, and Lake Huron, it was calculated that the accumulated traffic of the rapidly increasing West would pour itself by the railway, in one unbroken line throughout the length of Canada, into the St. Lawrence at Montreal and Quebec, and into the ocean, at Portland, St. Johns, and Halifax.

Financially the scheme of the Grand Trunk was not less promising. A capital of £9,500,000 was asked for to purchase and construct 1,112 miles including the largest engineering work in the world, the Great Victoria Bridge at Montreal. the total capital, £3,000,000, or nearly one third, was subscribed in the province, partly by the legiswas subscribed in the province, party by the legis-lature and partly by private capitalists. It was estimated that the line, when completed, would produce above £25 per mile per week; that its working expenses would average 40 per cent., and that there would be "a profit on the share capital of nearly 11½ per cent."

How has it happened that calculations founded on such a basis, supported by such authorities, and entrenched (as it were) by such important influences, have been throughout, so grieviously disappointed? The latest Grand Railway meet ing reveals something, but to elucidate the whole facts we have to look further back and to trace the position of the railway from the beginning of the enterprise.

In the first place, it is necessary to dispel mis-conceptions. The non-success of the Grand Trunk Railway has been attributed to various causes. It has been said that the line was expensively con-structed. It does not appear that anything of the sort was the case. If we look at the cost of the various great lines of the world we shall find few instances in which a railroad has been made so Taking the whole expenditure upon the line, including the permanent way, stations, rolling stock, and all the accessories of a railway, the Grand Trunk appears to have been handed over to its proprietary at a price little exceeding £10,000 per mile, a sum remarkably small considering the cost of constructing a railway which may almost be said to have been made in England and exported to America. This amount is exclusive of the cost of the Victoria Bridge. It has been urged that the cost of that bridge has been the greatest burden on this railway. But without the Victoria Bridge the railway would have been a merely local and most imperfect line. Canada would have been an isolated territory north of the St. Lawrence, without communication with the United States, and consequently cut off from a great market for its produce. The Victoria Bridge, which cost £1,-400,000 in its construction, is emphatically the key of the Grand Trunk railway communication; and there can be no doubt that, constructed as it is on the most permanent basis, it will ultimately be found to be the most lucrative portion of the system, as well as the cheapest to maintain. The Grand Trunk was especially devised for the carriage of all the produce of the great Western territory. Here there has been a dreadful disappointment, arising partly from the incompleteness of the line, and partly from the effects of competition. At the time the Grand Trunk was proposed the canal system of Canada was very perfect. The water carriage of heavy commodities by canal and river can always be carried on at very moderate rates of charge, and all experience testifies that it is one of the most difficult classes of traffic to di-

mer weather to the passenger traffic of th

country.

Nor was this all. The Canadian canals were always opposed to American competition; and indeed, one great object of the colonists in promoting the Grand Trunk was to defeat that competition. But, pending the period between 1853, when the Grand Trunk was first proposed, and 1859, when the Victoria Bridge across the St. Lawrence was opened for traffic, an immense development took place upon the shores of the Western lakes, and a corresponding railway system was opened up in the United States. The town of Chicago, at the bottom of Lake Michigan, became the great the bottom of Lake Michigan, became an grain depot for the new and rapidly increasing western States of Wisconsin, Minnesota, Iowa, Wishigan, Towards the city of Chi-Western States of Wisconsin, Minnesots, Iowa, Illinois, and Michigan. Towards the city of Chicago railways were constructed by the dozen. The most important of them pointed directly across the territory of the United States towards New York. And New York, as everybody knows, is the great market of North America. Now, as a rule, produce will find its way to the market where there are the most purchasers. The produce of these States accordingly found its way direct to New York, instead of along the route of the Grand New York, instead of along the route of the Grand Trunk; and hence the Grand Trunk of Canada, instead of receiving almost the entire grain traffic of the West at Port Sarnia, as had been anticipated, found itself exposed to a most violent competition at its western extremity with American and other lines, compelling it to make competing rates for the carriage of produce, which proved anything but profitable.

Cut off from access to British seaports at one end, and exposed to American competition at the other, the Grand Trunk became dependent upon the internal trade of Canada. Now, for some years after the formation of the company, Canada, years after the formation of the company, Canada, unfortunately, was not in thriving circumstances. In 1854, 1855 and 1856 the war in Europe checked emigration. In 1857, 1858 and 1859 Canada experienced three successively bad harvests. These were accompanied and followed by financial embarrassments, which operated disastrously on the fiscal resources of the railway. The line itself, moreover, was incomplete as a means of transit, until the Victoria Bridge was fairly opened for traffic, which was not until the autumn of 1859. traffic, which was not until the autumn of 1859. The consequence was that the traffic of the Grand Trunk presented lamentable deficiencies. It had been estimated to produce £25 per mile per week, but in January, 1859, with 880 miles of railway open, the line only produced £8 6s per mile per week; and the working expenses at that period had risen to 80 per cent. of the gross receipts.

The consequence was a great period of disaster.

The income of the line was insufficient to defray even the interest on the debenture debt of the company. Great expenditure also had been and was being incurred. In order to meet the competition of the American and other lines it had been found necessary to make arrangements, at very great cost, and to carry the line beyond its original boundary. All this added to capital. The £9,-500,000 was increased to £14,000,000, and as there was nothing for the shareholders, great complaints arose. The aspect of affairs attained its worst in 1860. The line was then dreadfully involved in debt, and did not pay its way. Its working stock was threatened with seizure. Its shareholders of various descriptions were quarrelling for their respective rights. Help was sought from a variety of quarters; amongst others, from the Canadian Legislature. None could be obtained. This state of things led to criminations and recriminations of the worst character. The capitalists concerned in the railway were assailed not only by interested parties in the colony, but by the shareholders at home. It was necessary, at last, to bring things to a crisis. In 1862 an act of parliament was obtained, called "The Grand Trunk Arrangements Act," which classified and defined the interests of the various stockholders. It commenced by a terrible admission.

the company has become deeply indebted, both in to Bagdad, and to check the Turks, a line will be Canada and in England, on simple contract, to completed from Teheran via Tiflis, connecting various persons and corporations; and several of the creditors have obtained judgment against it, the creditors have obtained judgment against it, and much litigation is now pending; and whereas the keeping open of the Railway for traffic, which is of the utmost importance to the Phovinee, is thereby imperilled; and whereas the terms of a compromise have been settled, but in order to facilitate and give effect to the same the intervention of the Legislature is necessary; therefore her Majesty, by and with the advice, &c., enacts, &c...

The result of the working of this act was shown at the meeting to which we commenced by referring. Differences have been abated, a great efforthas been made to put this important railway on a better footing. The result has been by no means

has been made to put this important railway on a better footing. The result has been by no means unsatisfactory. With the last year a material reduction has been made in working expenses, and a largely increased revenue has been earned at a diminished cost. The line is now put upon a footing which enables it to pay its way. All its creditors have been arranged with, every judgment debt removed, and the permanent working of the line placed beyond peril. Since the opening of the Victoria Bridge, the traffic also has shown a satisfactory increase. The net revenue of the line has risen as follows;—

First Second

TOSTO DAS I	First	Second	
THE THE PERSON	Half-year.	Half-year.	Total.
1859	£20,868	£52,490	73,358
1860	46,001	56,684	102,685
1861	46,786	95,708	142,494
1862	63,436	106,798	170,234
1868	124.173.	James Danes	de natha

This increase shows the extent to which this line is capable of development, if proper means are applied to effect that object. A great work, how-ever, still remains to be done. The Grand Trunk Railway is, even at this day, far from being what it was designed to be. Its communications with the colonies of Great Britain in the East are still incomplete, and its relations with other railways in the West are still by no means satisfactory. We regret that space does not allow us to enter more at large into these considerations. But, at present, we must rest satisfied with this imperfect, though impartial, sketch of the history and position of the Grand Trunk, which we hope hereafter to find increasing in prosperity, contributing to the welfare of the great Province with whose destinies it is so intimately associated, and receiv-ing from colonists of all shades and parties the encouragement and support which so great a work deserves.—London Daily News.

Telegraph to India.

England has determined upon a most gigantic enterprise, no less than the connection of her soil by telegraph with the most remote corners of her Indian empire. The vessels which convey the last finks in the great cable have just sailed from England. The route to be followed by the line of telegraph is thus described by the London Times.

"The five stations will be from Kurrachee to Gwadel, a distance of two hundred and fifty miles, from Gwadel across the Gulf to the peninsula of Khasab, from Khasab to Bushire, and from Bushire to a place called Faw, a small eastern township on the estuary at the mouth of the Euphrates, where the submarine wire meets the land lines which carry it to Bagdad, thence to Mosul, (the ancient Nineveh,) thence to Diarbekir, and thence to Scutari, on the Bosphorus, where it joins a dozen European land routes."

The line will probably be laid next February. The Times apprehends that there will be trouble on the land part of the line, extending from the Gulf to Scutari, as a part of the country is in the hands of the Arabs, and the line from Bagdad to Scutari is worked by Turkish operators, who work only when they feel like working. To escape the Arabs another land line is nearly or quite completed from Bushire to Teheran, and from Teheran limited by the act is \$1,000,000, of which the sum found of great advantage.

Progress in Wool Growing in Minnesota It is calculated that the wool clip of Minnesota the present year will not be less than 500,000 lbs. From 2,000 to 5,000 are shipped below from our

levee daily. The progress in wool growing in Minnesota has been so unprecedented and gratifying, that it shows we are approaching a time when the wool trade of our State will be one of its chief sources of wealth. Commencing in 1850, our progress toward this is as follows:

Johns and Hander.	No. Sheep.	Clipped lbs.
1850	80	800
1859	4,000	7,000
1860	2.595	19,306
1860 1861	25,000	75,000
1863	175,000	500,000

There is no wool growing State in the Union which can show such a sudden increase in its whole clip or flocks as Minnesota, and yet our farmers have scarcely began to get under their wool growing operations. By the time our State census is taken in 1863, our flocks will have increased to 500,000, and our wool clip to 2,000, 000 lbs.

Three or four years ago, a few grain eacks held the entire wool clip of the State. Now it has be-come a department of trade, and a large item (at present prices) in our exports.

Vermont grown wool is now the finest in the world, having taken the firrst prize at the Ham-burg Fair, in competition with European Saxony fleeces. It is a gratifying fact that most of our Minnesota blooded sheep are of Vermont Merino stock, and have actually improved by the emigra-Our pure blood sheep can, therefore, safely challenge those of any part of the world to bear finer wool or heavier fleeces.

Charles Hoag, of Diamond Lake, Hennepin County, who has some fine flocks of Southdo and Merinos, has sent a large quantity of wool to Milton, Indiana, to be manufactured into cloth, and returned to him. He has reason to believe that he can induce the manufacturer to locate himself at the Falls, and start a manufactory of fine woolens .- St. Paul Press.

New York City and County Loans.

LOANS OF THE COUNTY OF NEW YORK.

1. Riot Damages Indemnity Bonds-For the payment of damages for which the county became liable under the provisions of chapter 428 of the Laws 1855, in consequence of the proceedings of the mob during the riots in July last:

Amount authorized\$1,000,000 00 Amount heretofore issued 426,000 00

Balance to be issued from time to time, as the money is required for

the payment of claims for damages \$574,000 00 These bonds are redeemable on the 1st day of August, 1864, and bear interest at the rate of six per cent, per annum.

2. Soldiers' Substitutes Bounty Fund Bonds .- For the procurement of substitutes for drafted soldiers.

Amount authorized \$2,000,090 00 Amount subscribed for

These bonds are redeemable on the 1st day of June, 1864, and bear interest at 6 per cent. per annum. The loan will, without doubt, be duly legalized at the next session of the Legislature, and provision will be made at the same for fund-

ing the amount.

3. The New York County Court-house Stock.—This stock was authorized by chapter 167 of the Laws

of \$700,000 has already been issued. Of the proceeds of the amount issued \$450,000 was paid to the Corporation for the benefit of the Sinking Fund for the redemption of the City debt, and \$250,000 to the erection of the New Court-house treat. The remainder of the amount of the amount of the second of the seco in Chambers-street. The remainder of the amount authorized, say \$300,000, is now offered, and will

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authorized, say \$300,000, is now offered, and will be awarded to the highest bidders (not less than par,) on Saturday, the 28th of November, inst.

This stock bears interest at six per cent., payable half-yearly, (May and November,) and the principal is redeemable in 1875, 1877, 1878 and 1879—the Board of Supervisors being authorized and required to raise the sum of \$100,000 by taxable in analy was commanding in 1875, for the tion in each year, commencing in 1875, for that purpose

LOANS OF THE CITY OF NEW YORK

There are no loans of the Corporation now in the market. It is probable that \$230,000 of Water Stock will shortly be authorized by the Common Council, that sum having been called for by the Croton Aqueduct Board, and recommended by the Comptroller, to provide means for finishing up the Grand Re servoir, and the improvements at High Bridge.

This stock will bear interest at five per cen payable quarter-yearly, and the principal will be redeemable in 1879.

We notice that a proposition for another loan has been introduced in the Board of Aldermen for building water-works at or near Carmansville, and

building storage reservoirs in the Croton Valley. The Corporation loans for war purposes, that is to say, for aiding the families of soldiers from this City, will be continued during the war at the rate of a million and a half or two million dollars per annum. In order to divide the burden, Comptroller Brennan procured the enactment of a law last Winter, which provides that not over \$500,000 of said loans shall be made payable in any one

A Large Locomotive.

The largest locomotive in the United States, if not in the world, has just been built for the Philadelphia and Reading Railroad Company. It has 12 driving wheels 43 inches in diameter. The cylinder is 20 inches in diameter, and the stroke of piston 26 inches. The fire boxes 10 feet 8 inches long, and 413/4 inches wide. Inside diameter 48 inches. The weight of the locomotive when in running order is 100,820 pounds. This locomotive is intended for a pushing one, to force the heavy coal trains up the grades of the road. It was designed and constructed by Mr. James Milholland, of Reading.

Changing the Current of the Potomac.

Col. Seymour, Engineer-in-Chief of the Aqueduct, has submitted a plan to the Secretary of the Interior for changing the current of the Potomac to the Washington side of the river. It provides for the construction of a breakwater from the lower extremity of Mason's Island, to extend easterly on the flats to the neighborhood of the Long Bridge, midway of the causeway so called. This will give a current of twenty-five to thirty feet along the Washington wharves, which will be of great service to the Government in the matter of transcurrent of twenty-five to thirty feet along

Building in Philadelphia.

We learn that a very large number of buildings have been erected in Philadelphia the past year, particulaarly in the Northern and Western sections. In West Philadelphia great improvements have been made in the architectural designs; the fronts are of stone instead of brick; the dwelling houses are large and commodious, and spacious side courts are attached to them. This is a commendable variation from the old style, and will be

	O	ATL	ROAT) EA	DNIN	CA	MON	THLY	7				_
falo, New York and Erie:	January 1	February.	March.	April.		June,			eptember.	October, 1	Forember	December	r. Total
861	67,862	37,426 56,876	49,194 78,265	58,881 74,056	May. 56,174 67,589	45.993 62,167	July. 46,417 59,523	43,516 51,429	51,212 74,034	73,432 83,324	79,409 84,322	78,783 91,398	657.0° 850,8
eago, Burlington and Quincy:		81,130	100,378		*****		*****	*****		*****	******	01,000	00010
860	149.068	111,889 115,525	159,183 158,007	178,465 131,814	229,081 169,100	163,813 149,186	154,723 169,465	230,022 188,478	225,896 224,225	241,964 226,009	158,506	117,607	2,075 30
863	187,772	110,054 204,537	151,170 260,269	159,056 306,697	182,585 329,000	225,082	220,211	212,812	270,816	804,943	210,494 252,984	179,625 229,789	2,070,99 2,557,25
eago and Alton:						PO 400	67 450	400.000	******	*****	******		****
861	81.531	55,123 75,621	74,690 78,361	63,995 65,858	86,211 75,250	76,426 63,761	81,453 73,474	103,635 136,897	94,928 141,174	107,758 122,487	73,751 104,254	64,937 80,296	1,098,46
863	73,169	93,591 107,443	110,935 106,816	72,196 127,205	81,994 140,107	90,625 154,617	95,096 162,226	128,191 167,968	132,639 188,939	119,409 185,591	115,201	111,955	1,225,00
leage and Rock Island	60.058	55,497	68,116	71,792	73,578	72,392	67,076	87,233	120,053	126,090	100.440	*****	******
860	72.834	66,703 63,975	77,408 77,007	89,170 76,609	104,272 102,163	100,403 90,621	82,895 88,410	139,049	134,500	145,*39	100,440 92,873	82,252 75,457	1,181.0
862	120,776	90,607	75,676	76,459	102,353	138,373	119,947	130,542 117,086	154,084 146,268	152,537 161,508	123,319 138,795	118,753 135,595	1,261,0
cago and Northwestern:		130,225	122,512	127,507	144,995	171,766	189,363	151,865	209,891	208,559	*****		
859	32,192	19,535 33,408	22,970 46,346	25,881 48,919	28,291 62,392	28,066 45,985	24.326 39,500	28,536 49,571	51,340 80,819	55,831 108,737	65,003 74,331	42,101	400,4
862	48,325	48,651 49,103	59,920 59,249	60,410 54,725	84,891 84,706	83,229 104,815	76,897 95,340	60,527 71,306	87,167 104,094	105,146	81,296	53,554 55,199	875, 855,
veland, Columbus and Cincinnat	69,691	81,160	92,483	100,904	107,866	124,283	115,861	106,491	172,072	124,787 210,476	108,956	90,991	994,
859	73.072	72,739	01,520	80,025	82,835	83,397	76,759	92,652	97,614	92,073	90,568	84,926	1,018,
860	73,913	70,724 67,610	83,965 83,392	79,701 95,081	85,990 96,435	84,956 89,028	94,820 82,690	118,539 106,535	119,487 120,793	107,672 135,050	86,879 140,561	71,402	1,073,
863	135,850	110,836 152,435	103,352 155,000	115,115 185,000	113,854	123,465	131,423	173,152	192,174	172,381	165,178	164,916 180,063	1,255,
veland and Toledo:		56,779	75,709	62,294	55,652	52,788			*****	******	*****	*****	****
860	78,170	67,210	86,260	76,032	65,907	55,095	44,781 50,386	61,791 66,573	72,389 84,603	79,673 94,406	76,304 82,467	82,220 82,400	780, 889,
82	106,263	73,918 88,468	85,663 103,175	90,324 87,915	65,302 69,716	63,137 64,910	52,269 71,716	60,285 78,538	84,640 102,176	98,528 112,507	88,401 117,284	105,253	955
63 e:		146,839	165,780	121,278	100,225	100,085	91,308	102,130	132,130	140,013	111,224	164,876	1,167
358	376,357	328,047 319,593	461,495 372,296	557,935 380,343	473,366 349,953	384,379 330,657	393,322 361,819	389,373 359,114	375,250 455,235	456,226	436,899	392,293	5,014
160	354,000	345,000 391,932	433,311 458,560	457,161 547,174	393,409 506,610	893,409 430,063	319,955 372,705	477,642	600,124	465,959 587,242	536,608 561,448	414,764 412,723	4,651 5,°35
02	699,097	601,595	638,006	626,070	587,416	528,842	595,024	419,010 615,962	515,948 756,421	719,354 885,136	734,108 902,908	714,211 963,859	6,214
ena and Chicago:		829,734	946,041	938,453	838,867	760,868	721,889	678,959	814,828	955,371	******	******	8,400
359	62,421	66,943 62,698	92,921 80,793	88,708 93,254	122,008 115,505	110,656 93,449	88,527 80,105	119,280 166,541	208,803 219,528	195,934	123,907	89,844	1,369
62	97,253	76,859 105,424	101,600 74,346	103,795 90,180	165,707	162,823 225,048	145,389 190,456	150,359	200,276	252,108 221,326	142,658 172,700	94,860 122 309	1,462 1,720
63lson River:	132,517	121,161	129,226	136,601	172,343	212,948	143,517	129,019 169,794	188.370 267,529	203,575 281,814	159,580	143,532	1,777
359	192,161	190,589	175,773	121,123	141,269	115,444	125,305	155,164	156,978	170,157		800.000	1 000
860	223,157	209,422 205,343	161,047 167,560	134,606 139,751	156,281 150,808	129,996 122,683	140,860 114,804	167,220 135,299	180,000 146,424	193,951	157,443 169,549	232,033 220,370	1,933 2,075
863	307.330	281,568 425,047	308,963 366,802	202,346 270,676	192,442 241,771	151,427 202,392	159,769 190,364	193,442	212,118	173,261 239,911	197,762 270,083	246,283 403,571	2,023 2,922
nois Central:			was town			100000	7	219,561	268,100	802,174		*****	****
860	185.257	134,311 185,926	154,690 209,994	153,644 183,758	144,894 219,890	149,592 188,060	139,102 193,931	181,612 248,971	246,829 259,643	245,392 321,059	250,742 243,163	192,322	2,126
862	190.130	279,268 236,637	229,334 181,084	192,054 191,648	199,488 206,246	177,829 269,282	189,280 261,079	268,983 352,786	289,862 414,543	284,020	243,249	225,196 224,401	2,664 2,899
Crosso and Milwaukee:	267,061	269,198	265,773	267,643	314,166	397,729	831,432	459,256	466,919	410,336 468,766	372,593	359,463	3,445
860	32,884	36,670	44,269	50,532	69,624	50,780	35,426	52,570	89,847	147,192	95,816	50,866	756
862	61.055	45,689 54,786	52,159 43,912	67,245 48,766	113,472 125,999	108,003	84,287 91,459	76,319 68,673	112,485 137,187	171,053 164,809	116,936	69,276	1,070
waukee and Prairie du Chien :	73,063	66,686	56,171	107,754	147,499		******	** ****	******	104,009	122,863	63,771	1,098
860 861	37.520	32,301 44,027	39,501 43,637	45,811 49,102	59,082 112,266	48,797 141,771	37,429 107,117	90,463	139,761	163,615	90,900	44,895	799
862	83 903	62,907	47,010	61,759	130,218	144,915	108,721	76,163	134,726 109,661	177,879 154,369	130,184 122,272	67,990 61,835	1,15
863 thigan Southern & Northern In		76,132	44,925	88,177	100,987	111,260	71,587	69,352	156,417	205,054	**	02,000	
859	131.467	106,828 119,833	143,626 166,454	145,258 170,842	138,084 -175,481	122,796 134,688	101,710 127,273	151,170 196,821	173,870 233,851	218,465	196,495	152,172	1,75
862	163 152	116,933 153,728	153,170 157,500	186,951 193,120	170,362 200,826	161,391 181,983	126,558 180,915	178,773 226,819	235,690	273,722 276,181	203,492 281,265	134,972 189,077	2,06 2,18
863chigan Central:	248,784	230,508	254,208	267,693	263,981	237,982	188,141	285,512	276,109 300,822	325,018	304,084	279,539	2,64
859	101,386	102,959	151,864	143,143	127,145	119,770	108,303	150,366	210,837	226,077	181,617	132,949	1,75
861	142.334	102,959 107,749 119,764	160,311 151,671	165,741 172,614	158,510 149,550	123,085 133,620	128,393 123,377 172,180	193,540 144,982	251,423 236,844	300,474 307,333	196,182	129,022	2,02
862 863	242 073	159.658 245,857	151,902 236,432	175,696 238,495	186,039 236,453	174,001 206,221	172,180 215,449	216,624 215,449	295,959	322,369	242,089 307,475	200,134 258,633	2 12 2,65
w York Central:			509,211	478,563	409,628		7.000	10 July 10	308,169	375,487		******	****
860	387.128	370,514 402,530	561.078	585,141	551,700	447,813 495,943	504,217 544,494	591,920 692,382	743,599 868,985	709,671 811,458	637,792 730,736	520,396 523,047	6,30 7,15
862	489,065 749,163	420,793 631,956	627,051 710,814	589,688 770,223	677,073 736,114	558,743 610,417	523,138 749,571	562,076 752,841	696,175 892,744	927,036 1,004,721	952,960	872,985	7,99
w York and Harlem:		84,209	88,278	90,517	91,868	89,239	91,190	100,118	97,218	1000	963,185	******	****
861		95,666	88,598 88,790	90,463 94,630	89,577 83,856	93,378 97,337	92,802	104,113	105,473	97,857 111,173	85,785 99,461	94,554 100,141	1,10
207	100 804	88,201 96,689	102,808	94,957	94,157	97,337	101,857	91,958 103,223	89,356 99,435	97,858 107,093	91,111 99,135	90,671 125,715	1,11
uladelphia and Reading:	129,775	128,766	125,445	118,075	108,605	116,898	114,090	125,817	124,615	129,121	******	220,120	1011
860	163,551	155,327 171,841	188,609 257,410	215,475 248,110	225,464 265,011	230,377 278,270	248,862 314,806	241,695 337,495	264,622 339,911	283,646	288,619	245,977	2,78
862	102 218	169,538 217,161	191,266 244,423	252,154 258,674	263,917 283,996	270,051 254,285	289,987 388,725	265,358	234,456	368,956 276,209	321,208 291,763	249,031 278,219	3,31 2,90
		361,834	396,771	429,929	505,517	464,809	451,884	414,707 574,486	448,994	463,873 815,902	468,557	454,826	4,08
860 Fort Wayne and Chicag	go:	152,574	192,779	182,568	188,831	165,795	154,032	203,853	245,938	286,844		101 100	0.00
862 862	202.420	202,071 274,258	265,735 295,778	270,675 282,695	216,501 277,009	204,778 261,210	- 180,429 - 249,419	248,031 277,390	270,086	352,071	231,253 302,790	191,138 801,958	2,33 3,03
1802	0070720	366,598	461,322	464,357	418,739	383,314	348,003	404,898	397,525 467,321	401,299 508,146	364,334	370,983	8,74
1863	337,350												
oledo and Wabash;		90.471	61,770	68,667	60,071	58,359	57,734	72,584	74,689	74.660	81.872	46,005	
1802 1803 1804 and Wabash; 1809 1861 1862		90.471	61,770 64,414 62,551 56,038	68,667 73,679 76,274 83,582	60,071 67,946 79,278 106,845	58,359 67,428 80,074 113,578	87,734 84,879 93,464 115,214	122,785 138,722	74,689 106,100 142,537 170,380	74,660 125,027 162,858	81,872 77,599 137,086	46,095 51,298 92,574	73

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AMERICAN RAILROAD BOND LIST.

Description.	unt	Det.	Inte	rest.		_	Description	tint,	est	Inte	rest.		1
Description	Amount	Interest,	When payable.	Where payable.	Due.	Price.	Description,	Amount	Interest	When payable,	Where payable.	Due.	
abama and Florida :		_					Chicago and Rock Island :		_			-	1
Mortgage	\$300,000		**** **** **** **		1867 1863		lat Mortgage	1,397,000	7	Jan. & July.	New York.	1870	1
abama and Tenn. Rivers :	T. N		_	ALC: T		****	Chicago and Northwestern : Preferred Sinking Fund	1,250,000	7	Feb. & Aug.	Now York,	1885	1
lst Mortgage convertible	833,000 225,705		Jan, & July.	New York.	1872 1864		General 1st Mortgage	3,600,000	7	64 66	66 - 66	1885	1
lbany, Vt. and Canada:	-	23			1004		Bonds issued for coupons of do. 2d Mortgage	756,000	6	May & Nov.	22 22	1883 1890	1
lst Mortgage	600,000	7	March &Sept	New York.	1857		Appleton Extension Bonds	184,000	7	Feb. & Aug.	66 66 66 66	1885	1
Alouny City (C. F.)	1,000,000	6	Jan. & July.	Boston,	'66-176		Green Bay Extension Bonds Fiagg Trust Bonds	300,000 245,000	8	Jan. & July.	66 66	1885	
ndroscoggin and Kenebes : Million Dollar Loan	192,100		June & Dec.	(Portland)	61~64	70	Cincinn., Hamilton and Dayton:	384,000			New York,	1887	
\$1,100,000 Loan	804,600	6	u u u		1890	79	1st Mort age			Jan. & July. May & Nov.	a a	1880	
Stock, convert. (Coupon)tlantic and Great Western:	710,000	6		(Waterv.)	63-66	****	2d Mortgage	1,300,000		Jan, & July.	New York,	1900	
Penn, Division, 1st Mortgage	2,500,000		Oct. & April.	New York,	1877	77	1st Mortgage	574,000		Feb. & Aug.			
Ohio " 1st Mortgage	4,000,000 1,000,000	7	4 4	66 66 66 66	1875 1879	984 BU	8d Mortgage	158,000 250,500	7	***********			
tlantic and St. Lawrence:							Tunnel Right	1,000,000					
Dollar Bonds (Coupon)	988,000 484 000	6	April & Oct.	Portland, London,	1866	97	Cleveland and Mahoning:			Feb. & Aug.	Now York	1079	
Sterling Bonds (Coupon)	1,000,000	6	Various	N.Y., P.&Bos.			1st Mortgage	850,000 244,200	7	March & Sept.		1884	
altimore and Ohio:	3,000,000					-	3d Mortgage	658,200		64 48		1876	4
Mortgage Coupon " 1853.	2,500,000		Ja, Ap. Ju.Oc. April & Oct.	London, Baltimore,	1838	107	Clev., Painesville and Ashtabula : 2d Mortgage	228,000	7	Feb. & Aug.	New York.	1362	
4 1850_	700,000	6	Jan, & July.	65 65	1880	107	Special (Sunbury and Erie)	500,000	7	66 66	66 66	1878	
20002	1,128,500 1,000,000	6	Jan. & July. Ja. Ap. Ju.Oc.	66	1875 1867	108	Dividend MortgageCleveland and Pittsburg :	900,000	7	**** **** ******		1880	I
Balt, City Loan of 1855	5,000,000		Jan. & July.	•	1890	1104	1st Mortgage (Main Line) 2d Mort. (M. L.) or 1st Extension	800,000		Feb. & Aug.	New York.	1860	
ellefontaine and Indiana :	791,000	7	Jan, & July.	New York.	1866	101	2d Mort. (M. L.) or 1st Extension 3d Mort. (M. L.) or 2d Extension	1,189,000 1,166,000		March & Sept.	11 11	1873	
2d Mortgage	164,000		4 4	61 61	1870		4th Mort. (M. L.) or 3d Extension	1,059,028	6	66 66	66 64	1886	1
elvidere Delaware:	1,000,000	6	June & Dec.	New York,	1867	100	River Line bonds	20,000	7			1887	
24 Mortgage (do.)	500,000	6	March & Sept.		1885	95	1st Mortgage, Coupon	509,000	7	Jan. & July.	New York.	64-18	9
3d Mortgage (do)	589,500	6	Feb. & Aug.		1877		Cieveland and Toledo: Junction 1st Mortgage 1st Div.	284,000	7	April & Oct.	New York.	1367	
1st Mortgage	200,000		Feb. & Aug.	Boston,	1865	100	Junction 1st Mortgage 2d Div	164,000	7	June & Dec.	15 65	1872	1
lst Mortgage	300,000		Jan. & July.	New York. Boston,	1865 1870	1024	Tol., Nor. and Clev. 1st Mort Tol., Nor. and Clev. 2d Mort	439,000 176,500	7	Fob. & Aug.	66 66	1863 1863	
d Mortgage Coupons	250,000	7	44 44	New York,	1870		C. and T. Income Mortgage	66,150	7	March & Sept.	66 66	1863	}
sinking Fundston and Lowell :	200,000	6	44 44	Boston,	1889	100	C. and T. Income (convertible)	119,000		Jan. & July.		1864 1864	
Mortgage	440,000	6	Jan, & July.	Boston,	1873	1074	C. and T. Income (convertible) C. and T. Dividend (convert.)	169.000 126,410		April & Oct.	New York.	1865	
Mortgage	2,000,000			Now York			C. and T. Income (convertible).	25,000	7	March & Sept.	66 66	1870)
lst Mortgage coupon	426,714	7 7	June & Dec. May & Nov.	New York.	1877	108	C. and T. (S. F.) Mortgage Columbus and Xenia:	2,677,000	1	Jan. & July.		1885	•
iffalo and State Line:				W Trub			Dividend (due 1860, '61, '62, '66)	74,900		June & Dec.	New York.	var.	
ist Mortgage	200,000		April & Oct. Jan. & July.	New York.	1866 var.	108	Connecticut River:	250,000	6	March & Sept.	Boston,	1878	Į
Unsecured	200,000	7	66 65 65 65	64 64 64 64	1864		Connectic't and Passump, Rivers :					1	
rlington and Missouri:	149,000	7			61-70		1st MortgageCumberland Valley :	800,000	6	June & Dec.	Boston,	1876	•
st Mort, on 1st Division	590,000	***	Feb. & Aug.	New York.			1st Mortgage	161,000	8	April & Oct.	Philadelphia,	1904	
iro and Fuiton (Mo.):	650,000	6			78-79		2d Mortgage Dayton and Michigan :	109,500	8	44 41		1904	t
State (Mo.) Loan				-		-	lst Mortgage	300,000	8	Jan. & July.	New York.	1367	
Converted Sterling Loan	2,192,923 798,200		Semi-annual.	London,	1380 1863		2d Mortgage	2,503,000	8	4 4	11 46	1881	į
American Loan	762,000	6	44	New York.	1864	1064	lst Mortgage	259,000			New York.	1832	l
Extra Dividend LoanLoan for \$500,000	334,458 500,000	6	66 .	66	1864	108	2d Mortgage	250,000	7	June & Dec.	66 66		r
46 44 \$300,000	790,600	6	44	15	1870	104	1st Mortgage guar, by P.,W.&B. Guaranteed.	500,000		Jan, & July.	Philadelphia,	1875	
" #\$375,000	1,700,000	6	85	- 44	1875 1383	1028	Guaranteed	100,000		6E 6E	44	1875 1876	
48 44 9/2/50/0.000	867,000	8	#	a	1889	105	Delaware, Lackawanna and W'n	170,000				-	
Consolid, Mort. Loan \$5,000,000			44	6		106	1st Mortgage (Lack & Western)	900,000		April & Oct.	New York	1871	
at Mortgage Coupon	1,037,375	7	Feb. & Aug.	Philadelphia.	1872		1st Mortgage (E. Extension)	1,499,000 2,516,500		March & Sept	41 44	1875	
CaWissa:		1					2d Mortgage	0.500.000			37 35		
st Mortgageyuga and Susquehanna:			May & Nov.				1st Mortgage (convertible)	1,000,000	8	Jan. & July	New York.	1875 1866	d
at Mortgagentrai of Georgia :	300,000	7	Jan. & July.	New York.	1865		2d Mortgage	750,000	10	46 65	44 44	1863	j
	86,067	7			1863		4th Mortgage (G. W. R. R.) Dubuque and Sioux City:	500,000	1				
Mortgage				No. W			1st Mortgage coupon Dubuque Western :	300,000	7	Jan. & July	New York.	188	į
st Mortgage	1,400,000	777		New York.	1875	103 112	1st Mortgage	844,000	+				
ntral Ohio:	1.5						Eastern (Mass.):	1	1 .		-		,
st Mortgage W Div	450,000 800,000	7 7		Zanesville,	1861 1864	104	Income (due \$75,000 annually) .	150,000	6	June & Dec	Boston, London,	187	
2d Mortgage	800,000	7	June & Dec	New York,	1865	104	3d Mortgage (convertible)	672,600	6	Feb. & Aug	Boston,	1874	å
ld Mortgage (S. F.)	1,865,800	77	64 . 64	44 44	1885 1876	75 43	1stM.(State)\$75,000 a y'r after' 64	500,000	5	Ja. Ap. Ju.Oc		65-	1
th Mortgage (S. F.)arleston and Savannah :	Car David				2010	40	State, 1st Mortgage Endorsed by State of Tennessee	970,000					
at Mortgage (endorsed)	1,000,000		**** **** ****		-		Mortgage (ordinary)	150,000					•
nubles :							Mortgage (ordinary) East Tennessee and Virginia:						
picago, Burlington & Oniney	600,000	6	Jan. & July	Boston,	var.	101		1,602,000					
Bonds of '75, '77, '80	441,000		Jan. & July	New York.	1883	120	lst Mortgage (after State)	100,000)				
Plain Bonds, dated Sept. 20, 1860	755,000	8	44 66	66 66	1883	120	Redeemable in Stock	06,950					
2d Mortgage, inconvertible	755,000 935,500	4		Frakfort o.M	1890		Eaton and Hamilton :	757,734	+			var.	
Chicago and Aurora, lat Mort Central Military Tract, lat Mort.	135,000	3	Jan, & July	New York.	1867		Erie and North-East:	101,101	1				
" 2d Mort,	106,000	8	" "		1864 1868		Exchanged for Buff, and St. L.	149,000	7	Jan. & July	New York.	61-	i
s s Plain	25,000	8	March & Sept		1876		Internal Improvement (State)	1,655.000				1891	-
hicago and Alton:	2,400,000						Free Land, 2d Mortgage	1,500,000		**********		1891	1
	- Manager 1	7	poun, or othy	New York.	1892	104	Internal Improvement (State)		7			1891	'n
1st Mortgage pref. S. F	600,000	7	April & Oct		1877	3425	Tureling limblosement (Spins)						٠
lat Mortgage pref. S. F	1,100,000	7	April & Oct		1877 1882	95			8			189	1

AMERICAN RAILROAD BOND LIST.

(*) signifies that the road is in the hands of receivers. (†) that the company is in default in its interest. S. F.," Sinking Fund. "var," that the bonds fall due at different periods

Description,	onn	Fee	Inter			9	Description.	mount	res	Inte			
	Amount	Interest	When payable.	Where payable,	Due,	Drie		Ame	Interest	When payable.	Where payable,	Due,	Dela
alena and Chicago Union :						-	Memphis and Ohio :	ug *) §	_			_	1
1st Mortgage Coupon	1,118,000 871.000	7 7	Feb. & Aug.	New York,	62-63 1882	111	State [Tenn.] Loan	\$1,340,000	6		***********	*****	-
Mortgage (S. F.) Coupon			May & Nov.	44 44		108	1st Mortgage Sterling	467,489	6	Jan. & July.	London,	1872	1
est Western, Ill. : lst Mortgage Western Division		- 1					1st Mortgage St'g (convertible).	2,598,000	8	March & Sept.	N W & D	1869	1.
" Eastern "	1.350,000	7	April & Oct. Feb. & Aug.	New York.	1858 1865	108	1st Mortgage (convert.) Dollar 1st Mortgage (S. F.), convertible	4,434,000		April & Oct.	N.Y.& Boston	1882	1
annibal and St. Joseph :		- 4					Mich. Southern and N'p Indiana;		200	150 minary	N T .	1000	
Missouri State Loan (1st Lien) - Land Security		6	Jan. & July. April & Oct.	New York.	73-287 1881	83	Michigan Southern, 1st Northern Indiana, 1st	14,000 42,000	7	May & Nov.	New York	1860 1861	10
Convertible Bonds	1,360,000	7	Jan & July.	44	1883		Erie and Kalamazoo	103,000	7	March & Sept.	4 4	1862	1
24 Mortgage	1,200,000	7	April & Oct.	46 86	1870	49	Michigan Southern, conv.	16,000 20,000	7	Feb. & Aug.	4 4	1863 1863	L
New Dollar Bonds	661,000	6	Jan. & July.	Philadelphia,	1583	112	Jackson Branch	81,000	7		44 44	1865	1
lartford and New Haven:	927 000	6	Feb. & Aug.	Nam Vanh	1883	99	Goshen Air Line Detroit and Toledo	701,000 812,000	7		44 44		1
Ionsatonic:		- 1	-		1000	-	1st General Mortgage (S. F.)	5,073,000	7	May & Nov.		1885	1
1st Mortgage	189,000	6	Jan, & July.	Bridgeport.	1877	~==	2d General Mortgage	2,656,500	7		et 61	1877	1
State (1st Lien) Loan	210,000						•Milwaukee and Beloit:	630,000	8				
Mortgage	125,000	7			1866		Milwaukee and Chicago:			Ton & Tules	W	115	1.
Indson River:	4,000,000	7	Feb. & Aug.	New York	169-70	112	1st Mortgage	200,000		Jan. & July.	New York.		1
1st Mortgage	2,000,000	7	June & Dec.	46 46	1885	120	*Milwaukee and Horicon:	Mig al	1	Section .		-	1
3d Mortgage	1,840,000	7	May & Nov.	66 66	1875	13:	1st Mortgage	420,000 600,000			***********		1
Ilinois Central:		•			1001	100	2d Mortgage	ALTERNATION OF		The state of			1
Optional Right bonds	33,000		Jan. & July.	New York.	1868		1st Mortgage (Coupon) Minnesota and Pacific:	2,427,000	7	Jan. & July.	New York.	1891	1
Construction	3.104.000	6	April & Oct.	New York.	1875 1875	iii	Minnesota and Pacific: Real Estate	1,200,000	7	Jan. & July.		1892	1.
Construction Eight per cent. bonds	304,000	8		44 4 64 64	1865		1st Mortgage Mississippi Central:	350,000		4 4		1883	1
Indiana Central : 1st Mortgage (convertible)	600,000	_		New York.	1866		Mississippi Central:	1,007,363	7		1 11 11	100	1
2d Mortgage	364,000	10	Jan. & July.	New York.		. 11	Mississippi Central and Tenn.:	10000				701/	1
Income	20,500						Ist Mortgage	529,000	6		***************************************		-
1st Mortgage	500,000	7	Jan. & July.	New York	1866	110	1st Mortgage (convertible)	1,000,000	7		New York,		-
2d Mortgage	400,000	4	" "	" "	1862	10	2d Mortgage (S. F.)	400,000			46 44		-
Real Estate Mortgageind., Pittsbburg and Oleveland :	200,000	7			1858	6	Oskaloosa Division	2,000,000	7				1
1st Mortgage	650 000	7	Jan, & July.	New York.	1870		O T - A Change	700,000			46 44		
2d Mortgageindianapolis and Madison :		7	46 46	44 44		-	Mississippi and Tennessee:	98,000			The state of	1885	1
Mortgage	661,000	7	May & Nov.	Now York	1881	8	Tennessee State Loan	202,799				1000	
leffersonville:							1st Mortgage	171,000	7		das	1876	1
1st Mortage	187,000 392,000		March & Sept.	New York	1861 1873	7	Mobile and Ohio: City (Mobile) Tax Loan	400,000			ST ST PON	24000	1
2d Mortgage Kennebec and Portland:			April & Oct.			1.	Tennessee State Loan	674,860	6				-
1st Mortgage (City and Town).					1870		Alabama State Loan	389,410 1,508,070			New York,	181 28	-
2d Mortgage	230,000 250,000			Augusta,	1861	-	Income	878,088		Jan, & July	New Lork,	1888	1
Kentucky Centr. (Cov. and Lex.)							Mississippi State Loan	200,970	6				
1st Mortgage						-	Montgomery and West Point: Alabama State Loan	122,625			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
2d Mortgage (convertible)	1,000,000	7					. Mortgage (due 1860, '63 and '65).	350,000	6			var.	
Sd Mortgage	600,000 200,000					-	Mortgage	450,000	8			1866	1
Cincinnati (exchanged)	100,000						Muscogee:	249,00	7				
Reokuk, Ft. D. Moines and Minn.				1			Nashville and Chattanooga:	0001, 4		100	W THAT S	1 31 N	
City of Keokuk, 20 years	400,000 150,000				-		Mortgage (State endorsed) Chat, and Olev, Subsc. (endors.	1,500,00				-	
Keokuk, Mt. Pleas't and Musca:					-	-	New Albany and Salem:	CARE D	1		- 1 0 T 933	100	
City of Keokuk	150,000 200,000					-	Crawfordsville	175,00	0 10				
La Crosse, Viroqua & Mineral Pt					-		1st Mortgage	2,235,00	0				
1st Mortgage	4,000,000	7	June & Dec	. New York,	1888	-	N. Hav., N. Lond, and Ston'gton:	450.00	0 .	March & Sep	Now Hoven	1881	8
lst Mortgage	1,465,000	6	May & Nov	Philadelphia	1873	10	Mortgage	200,00	0 6	Jan. & Jak	7. 4	1868	
La Crosse and Milwaukee:					1		Extension	116,00	0 6	Jan. & Jul. May & No.	A THE COLUMN	1878	
1st Mortgage (Eastern Div.)	903,000		May & Nov	. Milwaukee.		8	New Haven and Northampton: 1st Mortgage	500,00	0 3	Jan. & July	New Haven	1869	П
2d Mortgage (Eastern Div.)	4,000,000	1	Jan. & July	New York.			New Jersey:		1	1000	3.17		
2d Land Grant (Western Div.	353,600			**			Now London Northern	1	-	Semi-ann'all	New York.	var.	П
8d Mortgage (whole road) Unsecured Bonds Lexington and Frankfort:	1,785,000	1				-	1 at Montgone	51,00	0 1	Jan. & July	New London	1. 1871	
Lexington and Frankfort:	120,000			1 andmesters	'64-"	74	N. Orl'ns, Jackson and Gt. North	255,00	0		457RG	16314	DS.
Morigage, due 1864, '69 and '74. Little Miami :	130,000	6		Lexington.	04-	-	1st Mortgage Couron	2,665,00	0	Jan. & Jul	New York.		
Mortgage (Coupon)	1,800,000	6	May & Nov	New York.	1883	1	N. Orl'ns, Opelous, and Gt. West	841.00	1	Marie In-	1000	32	
Long Island : 2d Mortgage	500,000	6	Ton & Toly	New York.	1870	1	New Orleans City Subscription	1,500,00	0	5		-	-
Extension Bonds	175,000			HOW TOTAL	1890		7 lat Mortgage (S. F.)	566,00	0			. 1889	F
Long Dock Co.:				1	1000		Now Vowle Central	1	0	May & No	New York.	1883	H
Mortgage Bonds	473,809		June & Dec	New York.	1882		Premium (S. F.) Bonds Funding (S. F.) Bonds Stock Exchange (S. F.) Bonds Real Estate (S. F.) Bonds	1,498,00	0 '	7 Feb. & Au	2	1876	
Louisville and Frankfort:		1				1	Stock Exchange (S. F.) Bonds.	663,00		May & No	V. 46 66	1883	Jo
Louisville Loan	- 100,000 223,000		Jan. & July	New York	1881		Hoal Estate Honds	_ 400 4.00	5	5 4 H		1883	3
Louisville and Nashville:	1	-			1.00	1	Bonds of June, 1854	2,000,00	0	June & De	0. 99 44	1864	
State [Tenn.], let Lien	2,000,000	0		New York	1883		Bonds of June, 1854 New 20 years (S. F.) Bonds Convertible Bonds	1,000,00		Feb. & Au	7 4	1883	
Lebanon Branch 1st Mortgag	e 400,000	7			1853 var.		New York and Erie:			W	1 45 2 M2		
Memphis Branch 1st Mortgag	e 300,000	7					1st Mortgage	3,000,00		May & No		1867	
McMinnville and Manchester: State [Tenn.]	372,000	1	8	-			2d Mortgage	6,000,00	00	7 March & Ser		1879 1883	
Mortgage	_ 24.000	3 7					4:h Mortgage	5,100,00	00	7 April & O	it. ii ii	1883 1880 1888	
Mortgage Marietta and Cincinnati :	10,000	0				20	5th Mortgage	1,791,50	100	7 June & De	C. 4 4 4	1888	
15t Mortgage Bonds	185,60	9 .	7 Jeb. & Au	. New York	1891		Buffalo Branch New York and Harlem :	06303.3	-	William Summer	- 1/- N	ST WHEN I	
lst Mortgage sterling Memphis and Charleston:	87,818			" " "	1891		1st Mortgage	3,000,0	00	7 May & No	v. New York	1878	
Memphis and Charleston:	1,100,000						2d Mortgage	1,000,0	00	7 Feb, & At 7 Jan, & Ju	V	1867	i
State Town 11 com		JI I			1880	, 1	11 AG MOFIGRED	- DOU'S	-	· lower or or	Walls and the same	-	ME
State Tenn.] Loan	1,600,00		7				Sd Mortgage New York and New Haven: Plain Bonds, Coupon Mortgage Bonds Ooupon	Model to	4	7 June & D	e. New York	1866	02

*** 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 10

AMERICAN RAILROAD BOND LIST.

(*) signifies that the road is in the hands of receivers. (†) that the company is in default in its interest. "S. F.," Sinking Fund. "var." that the bonds fall due at different periods.

Description	unt	Bet.	Inter	rest,		,	Desertation	in the	est,	Inter	est.	
Description	Amount	Interest	When payable,	Where payable.	Dus.	Prion.	Description.	Amount	Interest	When payable.	Where payable,	Due.
. York, Providence and Boston:							Racine and Mississippi:			-		
1st Mortgageorth Carolina:	\$232,000	6	Feb. & Aug.	New York.	73-778		Racine and Mississippi : 1st Mortgage (Eastern Division) 1st Mortgage (West'rn Division)	\$680,000 757,000	8		New York.	1875
	3,000,000	6					Raleigh and Gaston:					
orth-Hastern (S. C.):			1				CouponRichmond and Danville:	100,000				1862
1st Mortgage	700,000 224,500			***********			State (Va.) Loan (34 years)	600,000	6	Feb. & Aug.	New York.	var.
orthern Central:						-	Guarantied by State	200,000	7	April & Oct.	Richmond.	1875
Balt, and Susq. R. R. (Coupons) Md. State Loan (irredcemable).	150,000	6	Ja Ap Ju Oc.	Baltimora,	1866		Mortgage (Coupon) Richmond, Fred, and Potomac:	250,090	7	Feb. & Aug.	"	1859
York and Cumberland 1st Mort.	1,500,000	6	May & Nov.	46	1870		Sterling (£67,000)	824,006	6			1800
York and Cumberland 20 Mort.	25,000	6	Jan. & July.	*	1871		Richmond and Petersburg:					1875
Y. and C. guar. by Balt. 3d Mort.	500,000 300,000	6	Ja, Ap. Ju.Oa.	66	1877 1875		Coupon	159,000		***************************************		rote
N. C. Contract, 2d Mort Construction, 3d Mort	2,500,000	6	Jan. & July.	- 66	1885	1044	1st Mortgage	1,800,000	7	Feb. & Aug.		1863
orthern (Ogdensburg):	1 500 000			W W	1859	1001	1st Mortgage	937,500	7	68 66		1863 1863
lst Mortgage	3,077,000	71	April & Oct.	New York.	1861	23	3d Mortgage	440,000	'			
orth Missouri :						-	1st Mortgage	400,000	10	Jan. & July		1875
State Loan (30 years)orth Pennsylvania:	4,350,000	0	Jan. & July.	New York.	72-87	90	Sandusky, Dayton and Cincinnati:	829,000	10	Feb. & Aug.		
Mortgage	2,500,000	6	April & Oct.	Philadelphia,	1875	96	2d Mortgage	997,000				1866
Chattel Mortgage	360,000	10	4 4	"	1887	121	3d Mortgage	1,000,000				40.10
orthern (N. H.): Bonds due 1864 and 1874	220,700	6	April & Oct.	Boston,	64-74	1052	Six p-r cents Sand'sky, Mansfield and N'wark:	422,324	6			1010
orwich and Worcester:		1					lst Mortgage	1,290,000	7	Jan. & July.	New York.	1866
Mass. State Loan	400,000 100,000	6	Jan. & July.	Boston.	1877		saratoga and Whitehall:	950,000	71	Appli & Oct	New York	1858
Steamboat Bonds	200,000	7	Feb. & Aug	New York,	63-70		lst Mortgage	100,000	71	April & Oct. March & Sept.	" TOTAL	1856
nio and Mississippi (O. and Ind.):		1					Seaboard and Roanoke:					1880
let Mortgage2d Mortgage	2,050,000	7	Jan, & July.	New York.	1872		1st Mortgage	300,000 75,000				1870
Construction	4,242,000	1 1	March & Sept.	66 66	1876	17	3d Mortgage	123,083				1873
Incomeange and Alexandria:	8,320,000		May & Nov.	64 64	1881		South Carolina:					1
ange and Alexandra:	400,000	6	May & Nov.	New York.	1866		State Loan	187,000 183,333			Tandan	1862
lst Mortgage2d Mortgage or 1st Extension 2d Extension	1,200,000	6	May & Nov.	66 68	1875		Sterling	2,000,000			London.	1866
d Extension	600,000	8	May & Nov.	44 41	1873		Southern Mississippi: 1st Mortgage	500,000				
tate (Mo.) Loan	7,000,000	6	Jan. & Juy.	New York,	71-78		South-Western (Ga.):	000,000				1
State Loan (S. W. Branch)	1,263,000	0	66 66	66 66 66 65	'87-'8	55	1st Mortgage	631,000				1875
Construction nama:	3,235,000	7				. 55	Springfield, Mt. Vern. and Pittab.	500,000				
st Mortgage Sterling	1,250,000	7	April & Oct. Feb. & Aug.	London,	1865	100	2d Mortgage	450,000				
d Mortgage Sterling	1,150,000	7	Feb. & Aug.	. 66	1872		2d Mortgage *Steubenv. and Ind. (P. C. and C.)					1070
nnsylvania:	4.980.000	6	Jan. & July	Philadelphia	1880	110	1st Mortgage	900,000	7	Jan, & July	Philadelphia.	1868
ist Mortgage	2,421,000	6	April & Oct.	4 Hitadolphia	1875	105	2d Mortgage					
d Mortgage Sterling	2,126,400	6		London,	1875 1894	105	II State (Mo.) Aid	3,501,000	6		New York.	
State Works Bondsnobscot and Kennebec:	1,000,000	1	Jan. & July.	Harrisburg.	1004	1008	St. Louis City Subscription St. Louis County Subscription Sunbury and Erie : 1st Mort. (Sunbury to W'msp't)	1,000,000				
Rangor Olty 1st Mortg (Connon)	730,000	6	April & Oct.	Boston,	174-77	1	Sunbury and Erie:	-,,-		1		1
Mortgage (Coupon)	277,000	9	March & Sept.	Bangor,	1876		Mortgage (half to State)	7,000,000	7 5	April & Oct.	Philadelphia,	775-
2d Mortgage (Coupon)	200,000	1					Mortgage (half to State)	-		1		1
let Mortg. (W.Ext.) convertible.	500,000 500,000	8	June & Dec	New York.	1862 1873	-000	1st Mortgage Coupon	1,400,000	7	April & Oct.	New York.	1876
stersb'g and Lynchb'g (S. Side):	200,000	"	June & Dec		1010		St. Louis, Alton & Terre Haute: 1st Mortgage (series A)	1.100,000	7	Jan. & July.	New York.	1894
lat mortg. (h. Each convertole- terably and Lynchby (S. Side): State (Va.) Loan (S. F.)	800,000						(series B)	1,100,000	7	April & Oct.	16	1894
3d Mortgage (1862-70-75)	365,000 378,000				var.		2d " pref. (series C) (series D)	1,400,000	7	Feb. & Aug May & Nov		1894
Special Mortgage (1865-'68)	175,000	0 6			Var.		" Income (series E)	1,700,000	7	any to Nov	ш	189
Last Mortgage (1861 to 1869)	133,50	8 0			var.		Tennessee and Alabama:		1	1.		
Consolidated Loan	119,80	0 6	Jan. & July	Philadelphia	1865	105	State (Tenn.) Loan	014,000				
	292,50	0 0	4 4	" "	1885	119	1st Mortgage (convertible	171,000	7	March & Sept	New York,	186
hiladelphia and Reading: Bonds of 1836, (unconvertible)	408.00	0 6	Jan. & July	Philadelphi	1867		Toledo and Wabash :	900 000	1	Feb. & Ang		186
# 1836, # ·-	192,000	0 0		46	1880	103	1st M. (Toledo and Wabash) 1st M. (L. E., Wab, and St. Louis	2,500,000		reb, & Ang	14 14	186
1849, "	3,084,60	0 6			1870	108	2d M. (Toledo and Wabash)	1,000,000	7	May & Nov	44 44	187
1861, " 1843, "	273.00 1,531,30	0 6	Jan. & July	44	1871 1880	109	2d M. (Wabash and Western) Interest Bonds	1,500,000 245,700				187
# 1844, (convertible)	863,00	0 6	66 66	86	1880	122	(Vermont Central:		1			100
u 1843, u	124,00 83,00			65	1880 1880	110	1st Mortgage Coupon	2,000,000			Boston.	186
u 1857, u	8,417,00	0 6	06 66	66	1886	120	2d Mortgage Coupon					
# 1856, #	1,470,00	0 7	66 68	44	1886	126	Mort, guarantied by State of Va	100,000	6	Jan, & July	Richmond,	188
hila, Wilmington and Baltimore: Mortgage Loan	2,490,50	0 6		Philadelphia	1884	135	Mortgage (coupons)	198,000 926,000		46 46	Richm'd &	188
Improvement	88,60			Boston,	1863		Mortgage, (coupons)	220,000				
ittsburg and Connellsville. 1st Mortgage (Turtle Cr. Div.)	400.00	0 0	Feb. & Aug	Now West	1889		State (Va.) Loan	1,000,000	6	Jan. & July	Richmond,	188
ittab'g, Ft. Wayne and Chicago:	3.7	1					1st Mortgage 2dor Enlarged Mortgage	1,000,00		66 66	New York.	188
1st Mortgage (series A)	875,00				1912	109	Salt Works Br. Mort, due '58-'6	203,00		66 66	Lynchburg.	var
u (series B)	875,00 875,00	0 7		46 64	1912	66	Warren (N. J.): 1st Mortgage	560 50		Feb. & Aug	New York	187
" (series D)	875,00	0 7	April & Oct	66 66	1912	46	Warwick Valley, N. Y.:	1		reo. & Aug		
a (series E)	875,00	0 7	May & Nov		1912	44	1st Mortgage	60,00				188
2d " (weries G)	860,00	0 7			912	104	2d Mortgage	25,00	0 7	Jan. & July	. Chester.	104
" (series H)	860.00	0 7	Feb. & Aug	16 14	1912	66	Mortgage (new bonds)	800,00	0 7	March & Sept	New York.	188
a (series I)	860.00	0 7	Mar. & Sept	11 11	1912	66	Western (Mass.):		1			-69
a (ser es L)	1 860.00	0 7	May & Nov		1912	65	Uterling (£899,900) Dollar Bonds	4,319,52 850,00		April & Oct	London. Boston.	187
" (series M)	800,00	0 7	June & Dec	66 68	1912	66	Albany City Bonds	1,000,00	0 6	Jan. & July	fi	166-
Bridge Bonds	1 2,000 00	0 7		0 0 0	1912	85	Hudson & Boston R. R. Loan .	150,00				der
Chicago Depot Bonds	297,75	3 6	May & Nov	Chicago	1876			1,000,00	0 2	Jan. & July	Philadelphia	188
4 4 4 4	89,42	0 8	May & Nov	Chicago.	1865		I Wilmington and Manchester:	1	1	Jan. & July	1 107	"
Mortgage Mortgage	Day Col		0 0				1st Mortgage	596,00		May & Nov	New York.	186
Mortgage	112 L. T. J.	040	Feb. & Aug	1	1905		2d Mortgage	200,00	0 7			187
company and watertown:		100		· · · · · · · · · · · · · · · · · · ·		1.0		1	1	1	1 - 1	186
Potedam and Watertown: 1st Mortgage Utiney and Chicago:	1,000,00	10	June & Dec	New York.	164-7	4	Mortgage, payable in England. Sterling, issued in 1853	443,55		Jan, & July	London.	180

RAILROAD SHARE LIST, including Mileage, Rolling Stock, etc., etc.

An asterick (*) occurring in the column headed "Rolling-Stock," sgniftes that the cost is included in that of "Railroad and Appartenances." A dash (-) signifies "nil."

Running dots (---) signify "not ascertained." Land-Grant Railroads are in "takes."

	Ra	ilroa	d.	or		qui	pme	ent.			-	Abstract	of Balanc	e Sheet.			10	94	Earnin	ngs.	-	
	1	- m	pus	ress		-1	Car	8,		Propert	y and A	sets.	Li	abilities.	- 1	tal,	d, in	oy lo	- 1	-		
Years ending.	Main Line.	B	2nd Track	Road in progress	Produce	Tanginge.	Passenger.	Freight, etc.	Companies.	Railroad and Appurten- ances.	Rolling- Stock.	Invested in foreign works.	Share Capi- tal paid in.	Bonded and Mortgage Debt,	Floating Debt	Balance Total, incl. all other assets and lis- bilities.	Road operated, road leased, e	Mileage run by loco- motives with trains.	Gross.	Net.	Dividenda.	
	M.	M.	M.	M	. N	lo l	No 1	No.	ALABAMA.	8			*		*		M.	M.		36.5	p. c.	1
fun. '60 Feb '59 May '60 Jun. '59	30 3 109,6 57.0	\equiv		57 171	1.8	211	2 9	102	Alabama and Florida Alabama and Mississippi Ala, and Tennessee Rivers Mobile and Girard	461,505 2,261,927 1,500,000	30,991 184,606		877,°53 835,010 1,067,006	503,500 109,500 777,777	105,255 21,632 240,485	1,515,704 518,965 2,176,028	30.3	236,791	101,102 55,791 207,626 76,773	87,866 81,852 111,282 21,006	100	
Apr. '61 May, '61 Feb. '60 May, '61	469.3 88.5	13.5 28.4			0.4	1 40 23	-	502 283	Mobile and Great Northern Nobile and Ohio Montgomery and West Point. North East and South West ARKANSAS.	1,838,718	427,265	100,000	600,431 1,419,769	922,622	28,579	600,431 2,582,505	116.9		1,402,858 505,156	695,370 260,269	6	-
Nov. '58	38.5	=		301		-	-		Cairo and Fulton Memphis and Little Rock	553,877	•		351,524	446,000	10,725	811,949	=				=	1
Dec. '60	22.5	_		-				,	California, Sacramento Valley Connectiout,	1,493,850	•		793,850	700,000		1,493,850	22.5		230,251	104,594		1
Feb. '6' Sep. '6'	2 122.4	=	8.: 15.	75		16	20	44 241	Danbury and Norwalk Hartford, Provid, and Fishkil	314,475 3,902,356	802,511		307,010 1,936,740	100,000 2,037,500	211,574	418,825 4,443,584	122.4	47,301 229,088	61,546 301,402	36,019 126,918	5	1
Aug. '6! Dec. '6!	61.4	1.6	8.	9 -			21 17 11	302 256	Housatonic (preferred)	2,439.775		141,706	2,350,000 2,000,000 1,031,800		61,872 26,924	4,181,255 2,625,236 1,594,661	124.0		958,459 284,485 206,420	596,153 70,167	17	13
Dec. '6' Dec. '6' Dec. '6' Dec. '6'	2 57.0 2 62.0 2 75.9		1. 2. 7.	8	_	6 3 7	12	29	Naugatuck N. Haven, N. London and Ston	1,210,899		11,850	738,538			1,644,967	62.0	127,390 ated by	135,072 N. Y.	97,700 & N. H.	-	-
Dec. '6: Mar. '6:	2 66.0	-	5.	9 -		7 28	74	91	New Haven and Northampton New London Northern New York and New Haven.	677,552			602,152	75,526		696,82° 5,754,36°	7 66 0	156,905	151,731	38,766	5 12	1
Nov. '6	2 59.4		8,	5 -		15	17	313	Norwich and Worcester DELAWARE,	2,463,983		214,100	2,122,600	799,300	1	3,064,86	7 66.4	294,178	353,664	158,927	-	-
Oct. '6	2 16,2 2 154,2		10,	-	150		-	_	Delaware			18,535	406,132 744,520		5,024	749,54	4 5.0		27,288		9	
Apr. '6	2 69.5	-	3.	0 -	3.0	8	1	6	Flo., Atlantic and Gulf Centre	1	30,586		191,4%5	195,000	75,894	619,11	2 32.0		7,857	8,685	-	
Jun. '6	0 86.7		10.	0 15	3.5	16	7	104	Pensacola and Georgia				1,250,000	126,000		1,597,38			418,036	265,827		
Dec. '6	2 926	-	8		0,9				Atlantic and Gulf-M. Trun	1 039 900			733,700						168,988		-	-
Apr. '6 Nov. '6	0 43.5		-	- 2	3.7	53	62	697	Brunswick and Florida Central of Georgia (and Bank) Georgia (and Bank) Macon and Western	755,000	:		151,887 4,366,800			6,690,17	3 229.0	879 468	1,715,025	764.57	10	-
Mar. '6 Nov. '6	0 171.0	61.0	0			19	16	171	Georgia (and Bank)	1,500,000		1,003,650	1,500,000	312,500	12,29	8,123,34 5 1,658,97	6 102 8	226,241	1,159,188	528,043 212,670	8 19	
July '5 May, '5 July '6	9 50,0 8 68,1					3	4	33	Sayannah, Albany and Gulf.	1.386,63	52,374		1,275,901	10,200	180,62	1,026,86	0 71.0	8	202,714		-	
Sep. '5	9 138,0		8 16		=	18 52		705	Western and Atlantic	5,901,49				own'd by	State.		- 138.0	0	882,348		-	
Dec. '6	3 138.) -	26			35 73	38 46	712 1,249	Chicago and Alton	8,117,530 6,444,450	2 1,490,361		4,244,222 5,738,640	6,102,59	157,87	7 8.721,05 - 13,179,50 5 2,050,06 1 13,147,18	7 281, 00 263.	0 1,308,14	1 1,225,001	457,79 1,206,03	9 8	-
Dec. '6	3 242	0	-	2	29.0	36	23	706	Chicago and Milwaukee Chicago and Northwestern	119 395 886	510 089		988,000 3,731,310	8,385,00	226,64	1 13,147,18	6 242, 6 242,	0 14 mo.	1 083,05- 4 1,529,14	135,28	3 -	
Mar. '6 Nov. '6 Dec. '6	2 33.	2	4 74	-		60	63	1 360	Fox River Valley	580,000	5 1 211 012	248,560	6,028,40	580,00	0		. 84.	0	1 1,777,64		-	-
May, '6 Dec. '6	13 174.	5.	5 14	3 -		21 112	22	504	Chicago and Rock Island Fox River Valley Galena and Chicago Union Great Western Illinois Central	4,039,56	1 *	240,000	1,648,56	1 2,350,00 0 15,060,50	0	4,214,34	12 180. 30 708.	3 2.561.19	742,09 2 3,445,82	377,47 7 1,870,72	6 -	-
-	148,			- 8	81.5		-		Illinois River Ohio and Mississippi Peoria and Burean Valley	4,870,58	6	=	1,780,29				148,	0				-
**	46.	6 _		- 12	29.0				- Peoria and Hannibal	1				600,00	0		ope	by Chie	& R. I	126,00	0 -	-
Dec.	82 186. 82 100.	0 =	- :						Peoria and OquawkaQuincy and Chicago	5,400,00 1,978,55	5 *		1,569,88 800,00			_ 2,000,00	00 100.	0 oper.by	Bur. &	Quine	-	_
Dec.	62 189.		14 15	2 -	_				St. Louis, Alton & Terre Hau				3,700,00	6,700,00	0	10,400,00	00 203.	by Chic	1,117,60	568,02	0 =	_
**	108,	0 -			70.0				Cincinnati and Chicago	2,080,43	3 •		1,106,67	9 1,006,12	5		108.				-	_
Aug.	57 109. 62 72	0 -			78.0	19	17	26	Evansville and Crawfordsvil	le 2,233,41		2,750 26.641	986,06 611,05	1 1,219,10 0 1,254,50	0 51,77 0 15,90	0 2.102.70	48 109. 61 109.	0		7 119,84 3 158,64		
Dec. '. Dec. '. Dec. '.	58 89	8 20	.2		_	22	19	31	3 Indianapolis and Cincinnati Ind. Pittsburg and Clevelar	2,497,95 nd 1,879,88	2 540,04	25,689 10,000	1,689,90	0 1,362,28	4 140,69	9 3,458,1	08 110. 39 84	0	AAO OE	8 230,83	4 9	
Dec.	62 78 59 64	0 -	- 1	1.0	_	18		20	Lafayette and Indianapolis	1,549,51	8 *	278,33		7 621,00	00	2,000,0	00 64	.0	9 527,86	268,14	6 -	-
Mar.	63 86 58 288	0 46	0,	3.0	_	1	10	26	3 Indianapolis and Madison Louisv., N. Albany & Chica	1,433,81 go 6,000,00	0 .		2,800,00	0 3,000,00	00 2,000,00	00 6,000,0	63 132 00 288	0	285,97 645,82		1 _	-
Nov.	58 74 62 73	0 =			_	18	17	29	3 Indianapolis and Madison Louisv., N. Albany & Chica Peru and Indianapolis 8 Terre Haute and Richmond	2,000,00 1,611,45	0 *	215,235	1,100,00	820,00 171,00	80,00	2,000,0	00 74 22 78	0 319,2	563,31			-
Jun.	58 75 59 86	.5 -		2	201.5				Burlington and Missouri Chicago, Iowa and Nebrash	1,514,25			752,78 516,07	2 860,00		24	86		85,23	46,7	1 -	
Dec.	62 111	.0 _		2	269,0 138,0	-	7	10	2 Dubuque and Sioux City	3,088,59	63,19	-	2,992,42	300,00 755,00	00 222,60		23 111	.0	228,56	122,9	31 -	
Jun.	59 11	.2 -	= :	1	67.3		4	4	Keok., Ft. Desmoines & Mir. Keok., Mt. Pleasant and Mu	an. 1,037,87	03	9	921,4	19 570,00 16 414,00	00 00,4	52 1,022,6	11			1	56 -	-
l Oct,			5.0 _	3	312,0		-		Mississippi and Missouri KENTUCKY. Covington and Lexington	4,198,00 3,743,9		4	1,582,10	11-1-22-1	77.00	restored in	34 -50	4 10	426,4	08 007 4	24	-
Jun.	57 20 58 13	0.0			113.0		-		Covington and Lexington Lexington and Big Sandy Lexington and Danville	694,0	24		eold,185	9, for \$26	3,0 00,		20	0.0 0 oper.b		08 227,6		-
Jun.	162 29	0.0			-}	1	3 1	0 2	30 Louisville and Frankfort	1.396.2	28 52,30	6,54	614,6	73 130,0	00	- 746.0 1,665,8	068 2	215,0	31 78,9	85 26,7 51 62.4	21	2 2
o Jun,	63 18	5.0 8	3,0	8.2	70.5	- 4	3 2	7 3	78 Louisville and Nashville Maysville and Lexington	9,128,7			5,892,1	99 2,997,5	00 76,7		911 268	8.0 545.2 8.8 oper.b	58 1,777,9	88 1,082,1	65 -	-
	-	20 -	_			-			LOUISIANA.	750,6		1111	-		P 100 1	1 (32.1	2	20	-	13.0		
i Dec.	·60 8	7.0 -			178.	0 1	2 1	2 2	Mexican Gulf	662,9	20 505,20	50	8,242,8	18 666,0	00 339,9 00 1,150,7	5,855,	320 8	7.0	04 481,9		10	
1 Mar.	'61 20	6.0 -			205. 135.	0 4	5 8	7 5	13 N. O. Jackson and Gr. North Vice nurgh, Sreveport & Tex	ern 5,570,4 ap. 1,662,6	52 1,040,7	2	1,283,0	2,666,0	00 1,150,7 60 108.4	17 1,710,	20	8.7	1,232,6	24 655 4	84 -	H

RAILROAD SHARE LIST, including Mileage, Rolling Stock, etc., etc.

An asterick (*) occurring in the column headed "Rolling-Stock," signifies that the cost is included in that of "Railroad and Appurtenances," A dash (-) signifies "nik Running date (----) signify "not ascertained." Land-Grant Railroads are in "italice."

	I F	lailro	ad,	0	E	lanl	ment		1		Abstr	act of Bala	nce Sheet			nel.	ing.	Ear	nings,	1
		-	pur	2		1	Jars.		Prop	erty and	Assets,	1	Liabilitie		la la	d, fr	by loco-		1	
Years ending.	Main Line.	Lateral and Branch Lines	M W	Road in progree projected.	Engines.	Passenger.	Freight, etc.	Companies,	Ratherd and Appurten-	Rolling- Stock,	Invested in foreign works,	Share Capi- tal paid in.	Bonded and Mortgage Debt.	Floating Debt.	Balance Total, incl. all other assets and liabilities.	Road operated, incl road leased, etc.	Mileage run.b motives with	Gross,	Not.	Dividends
	M.	M.	M.	M.	No	Ne	No.	MAINE.		. \$		\$		\$	\$	M.	M.	\$	*	p. c
80 Nov. '62 80 Jun. '62 30 Jun. '86 30 Sep. '61 31 May, '63 31 May, '68 31 May, '69 31 May, '69	149.0 12.5 68.0 99.7	9,5 9,5	25.0 2.0 8.0	-	16 18	2	349 45 120 231 108	Androscoggin Atlaritic and St. Lawrence Bangor, Oldtown and Milford. Kennebec and Portland Maine Central Penobscot Portland, Saco and Portsmouth Somerset and Kennebec York and Cumberland	6,788,26 244,73 2,871,26 4,211,87 328,41 1,494,79 783,76	05 867,73 86 * 18 * 22 * 22 *	21,92 {78,01 100,000	4 180,497	3,068,491 3,472,000 3,068,491 300,000 \$56,600	40,576 271,143 139,952 75,000	7,983,478 244,726 2,090,998 4,259,308	5 149.0 6 12.5 8 109.5 8 109.2 51.3 87.0	139,953 186,240	Gd. Tk 30,830 172,113	Loss. 91,487 174,028 170,276 25,404	6
30 Sep. '60 30 Sep. '60 31 Dec. '62	279.6 80.0	70	16,4	=	51	28	167	MARYLAND. Baltimore and Ohio Washington Branch Northern Central	1,650,00	0		- 1,650,000		566,070 402,054	31,241,011 1,824,806 9,838,621	39.0	187,427	3,922,203 462,880 1,920,641	2,305,788 290,840 927,341	9
30 Nov. '62 30 Nov. '62 30 Nov. '62 30 Nov. '62 80 Nov. '62	26.7 74.3 47.0 44.6 46.0 50.0 44.2 19.9 50.9	8.8 7.0 24.0 1.1 2.4 30.5 1.3	2.1 43.6 51.1 82.5 60.1 2.7 8.8 25.2 8.8 74.5 28		21 83 25 30 7 12 26 28	37 72 40 68 15 19 54	484 209 273 102 176 413	MASSACHUEBETTS. Berkshire Boston and Lowell Boston and Providence Boston and Providence Cape Cod Brauch Connecticut River Eastern Essex Fitchburg Fitchburg and Worcester	2,245,14 3,880,35 2,952,60 4,062,59 907,76 1,614,38 3,912,20 742,59	183,34 400,46 207,40 437,41 0 123,86 187,55 7 815,16 4,41 1 350,14	496,903 100,000 5 8 5 264,102	3,160,000 4,500,000 681,654 1,591,100	122,720 141,600 250,000	21,046 93,654 30,000 184,750 5,846	5,026,336 2,462,989 5,335,584 1,085,074 1,900,919 4,766,000	70.9 119,3 61.8 83.6 47.1 52.4 89.0 21.2 93.4	630,840 435,121 564,117	945,980 702,222 1,006,130 102,627 268,152 635,629 55,601	136,191 450,302 2855,362 490,304 50,053 133,854 315,734 15,103 254,146	6 8 8 8 2 6 6
80 Nov. '62 80 Nov. '62 80 Nov. '62 80 Nov. '62 80 Nov. '62 80 Nov. '62 10 Nov. '62	29.8 12.4 14.5 20.1 27.0 25.0 79.5 18.7 43.4 16.9	7.8	3.0 2.3 17.2 1.1 2.4 0.6 26.5 0.7 14.9 1.7 0.4	8.0	4 8 2 11 5 3 24 1 13	4 19 14 4 64 2 18	74 74 13 485 1 852	Hitchburg and Worcester Hampshire and Hampden Lowell and Lawrences Nashua and Lowell New Bedford and Taunton New Bodford and Taunton New York and Boston Air Line Old Golony and Fall River Pittsfield & N. Adams, guar. Providence and Worcester Salem and Lowell South Shore	602,76	28,74 30,274 95,684 54,214 46,269 354,500 11,247 262,815 82,543	14,000	292,951 200,000 600,000	303,014 75,000 300,000 234,900 550,000 350,500 97,000 226,900 150,000	11,752 140,902 175,672 134,058 464 1,456	606,681 867,182 802,401 800,000 597,366 1,019,373 4,187,740 450,000 1,697,000 471,170 531,715	29.8 12.4 71.0 36.7 25.0 102.1 18.7 44.4 ope	27,424 148,515 42,262	16,344 21,780 189,183 124,178 B. & M. 44,589 580,150 43,142 327,457 and L'li	1,233 21,780 46,540 45,893 Co. 9,653	6 6 6 8
60 Nov. '62 10 Nov. '62 10 Nov. '62 10 Nov. '62 10 Nov. '62 10 Nov. '62 1 Jun. '62 10 Sep. '62	21.9 11.1 6.1 69.8 56.1 45.7 17.8 57.0	8.0 17.8	1.1 1.2 6.5		3	10 13 61 12	180 1,179 146 100	South Shore Stockbridge and Pittsfield	444,600 250,000 1,756,370 3,809,557 10,122,764 1,147,044	207,343 1,095,712 123,853	ad by G	448,700 250,000 923,810 2,214,225 5,150,000 1,141,000 r. Tr'k R.	979,308 990,525 6,417,520 141,500	42,352 47,000 1,130	448,700 239,740 1,945,470 3,516,900 14,424,472 1,356,645	ope 1 11,7 ope 1 77.3 218.0 45.7	51,210 51,210 by T. 112,242 ,257,201 164,248	usaton, 134,018 and B. 216,065 2,095,922 200,744	31,409 23,376 115,241 984,564 92,979	9
1 May, '63 2 1 Mar, '63 2	84.8		28,4	83.0	98		1,559 1,108	Frint and Pere Marquette Frand Rapids and Indiana Michigan Central	13,806,576 13,613,624	1,644,259	1.658.252	6,057,438 9,018,200	7,999,489		9,008,369 14,834,955 18,545,278	-		\$40,898 2,946,560 2,813,831		8
1 Dec. '62 1 1 Dec. '62 1 1 Dec. '62 - 1 Dec. '62 - 1 Dec. '62 -	14,5			89.8 - 08.5 90.0 - 14.0 - 68.0 - 79.0 -	2		10	Por. Huron and Milipaukee MINNESOTA. Minnerota and Pacific. Noutner n Minnesota Minneapolis and Cedar Valley- Minnesota Transit Loat River Valley MINSISSIPPI.	1,400,000				600,000 .							
Apr. '60 28 Oct. '69 7 Dec. '68 8	71.4 -			50,4 -	7	4		Assissippi Central	2,750,000	756,292 159,018		798,285 1,000,000	1,400,000 -	895,992 275,060		59.7 83.2		584,342 176,462 250,047	328,092 116,433 121,659	
Dec. '62 3 Dec. '62 20 Dec. '62 16 Dec. '62 5 Feb. '63 19 Feb. '63 7	06,8 - 38,8 - 52,0 - 96,0 -		3.2 - 7.7 8.6 - 4.4 8.9 2	7.3 6.0		19 26 30	420 E 307 A 420 F	lannibal and St. Joseph 1 forth Missouri 2 Matte County 2 acific 2 South-Western Branch 2	6,398,779 1,200.000	1,022,301 604,983 662,617 116,883 544,168		500,000 8,486 ,916 71,513	0,671,000 - 4,350,000 - 700,000 -	187,019 2	0,455,420	206.8 - 168.8 - 52.0 - 196.7		438,544 444,460 679,956 241,482 253,235	258,544 182,895 227,398 128,886 65,259	
Nov. '62 4	3.6 - 3.6 - 3.1 - 4.5 -	3.0	2.6	_ 1	4	11	26 C 494 C	shuelot	506,000 2,850,000 2,839,713 848,400 1,500,000 350,000 200,000	:		246,018 1,800,000 2,085,592 1,500,000 350,000 200,000	150,000 1,050,000 803,700	57,461	2,992,686 8,049,738 867,462 1,564,506 350,000	93.5 63.6 28.1 61.3 ope r.	byCon n 263,824 byCon	River 247,279 298,056 34,045 243,651 25,000 15,756		777
Nov. '62 2 Nov. '62 6 Mar. '62 2	6.5 - 0.6 - 9.3 - 9.3 - 0.2 1 4.7 -	3.0 1	2.0 - 1.3 2 2.5 - 2.5 - 2.5 - 2.2 -			2 4 4 2	27 G 80 M 424 N 50 S	astern reat Falls and Conway anchester and Lawrence errimae and Conn. Rivers orthern New Hampshire lllivan New Jessey.	\$25,205 483,404 1,065,345 698,258 8,068,400 1,480,780	40,887		492,500 — 166,748 1,000,000 595,588 3,068,400 500,000	200,000 12,300 568,000 220,700 750,000	00'004	825,206	ope r. 20.5 - ope r. 52.7 - 82.0 -	by C'd	ern Ma 26,120 162,426 34,916 812,171 68,040	12,857 - 74,885 12,395 - 128,652 16,366 -	4 7 4
Dec. '62 65 Dec. '62 66 Dec. '62 65 Dec. '62 65 Dec. '52 55 Dec. '52 15 Dec. '62 15 Dec. '62 15 Dec. '62 15	0.2 4.0 3.6 1.3 3.6	28	3.0 -	5.5 1	6 2	£ -	540 C 91 M N 17 N	alvidere Delaware	3,170,126 3,070,258 1,837,896 4,915,252 1,629,202 3,583,951 422,297 630,000 350,000 2450,417	606,542	672 113 57,000 1,397,974	5,002,200 8 1,000,558 3 3,620,000 4 1,157,800 4 4,897,800 1 156,850 630,000 248,000	8,620,181 — 1,037,376 2,000,000 840,000 — 678,000 204.200	117,095 820,433 400,017 77,798	2,155,024 3,822,193 1,756,710 5,695,704 438,798	24 2	3	040,148 1 144,386 397,587 226,448 111,087 90,618 R. R.	118,583 - ,728,548 1 65,128 - 774,341 1 101,520 652,124 1 29,592 - 53,400 26,500	0 7 0 8
May, '62 Dec. '62 28 Dec. '62 88	1.0 -	-		P.C	-		N	outh Branch	1,907,750 821,964			1,307,750 581,893	600,000 — 212,500			24.0			124,742 46,323	64

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unii.

Price of shares,

RAILROAD SHARE LIST, including Mileage, Rolling Stock, etc., etc.

An asterick (*) occurring in the column headed "Rolling-Stock," signifies that the cost is included in that of "Railroad and Appurtenances," A dash (—) signifies "nil Running dots (....) signify "not ascertained." Land-Grant Railroads are in "italics."

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.:			and			-	ars.	-	,	Proper	y and A	ssets.	1	Liabilities.	-	Total, other nd lia-	ed, in	by loco	1	-		101
Years ending.	Main Line,	Lateral and Branch Lines	2nd Track at Sidings.	Road in progress	Engines.	Passenger.	Freight, etc.	and landing of	Companies,	Railroad and Appurten- ances.	Rolling- Stock.	Invested in foreign works.	Share Capl- tal paid in.	Bonded and Mortgage Debt.	0 ,	Balance Tota incl. all oth assets and li bilities.	Road operate road leased	Mileage run l motives with	Gross.	Net.	Dividends.	Price of shar
	M.	M.	M.	M.	No	No	-		Now Your	*	8	-	\$	*	1.		M.	M.			p. c.	-
30 Sep. 46 30 Sep. 46	2.00 2.11.5.2 2.48.9.9.2 2.14.8.2	3 0.8 3 0.8	3.3 2.8 1.6 6.4 9.5 5.3 13.6 14.6 5.3 13.6 13.6 13.6 13.6 13.6 13.6 13.6 13	137. 21. 15. 15. 15. 15. 15. 16. 17. 18. 18. 18. 18. 18. 18. 18. 18	0 1 0 1 0 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3	1 - 2 2 5 16 2 2 5 16 10 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 9 9 5 4 4 4 4 5 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 2 2 1 1 1 2 2 2 1 1 1 2 2 2 1 1 1 2 2 2 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 1 2 2 2 1 1 1 2 2 2 1 1 1 2 2 2 1 1 1 2 2 2 1 2 1 2 2 2 1 2 2 1 2 2 2 2 2 1 2	New York. Albany and Susquehanna Albany and Susquehanna Albany and Vermont Albanic and Great Western Blossburg and Corning Broadway (Brooklyn) Brooklyn City Brooklyn City and Nowtown Buffalo and State Line Coney Island and Brooklyn Eighth Avenue (New York) Eighth Avenue (New York) Eighth Avenue (New York) New York and Harlem New York and Harlem New York and Harlem Niagara Bridge and Canand. Ninth Avenue (New York) Northern (Ogdensburg) Oswego and Syracuse Rensselaer and Saratoga Rome, Watert'n & Ogdensb'g Saratoga and Schenectady Saratoga and Schenectady Saratoga and Schenectady Staratoga and Whitchall Second Avenue (New York) Stath Avenue (New York) Staten Island Syracuse, Binghamton & N.Y Third Avenue (New York) Troy and Boston Troy and Boston	1,044,914 600,000 2,250,277 498,217 164,521 675,687 1,020,370 267,628 3,188,461 2,277,838 561,364 2,277,838 561,364 2,277,838 561,364 2,267,164 26,267,144 9,385,744 1,000,000 851,17 4,001,45 698,93 742,98 3,092,37 480,38 824,62 966,51 877,569 267,107 1,371,57	6,367 85,207 71,615 119,225 64,237 506,576 1,363,933 361,312 5,257,077 650,804 24,606 7728,525 116,622 116,	782,590	891,575 600,000 687,872 250,000 200,000 492,056 1,000,000 346,000 850,000 1,977,956 493,800 800,000 1,977,956 493,800 1,973,20	200,000 1,607,500 220,000 27,500 27,500 146,000 170,000 1,400,000 1,923,7500 1,923,7500 1,923,000 244,750 1,923,000 244,750 1,923,000 245,000 246,750 1,923,000 246,750 1,923,000 246,750 1,923,000 246,750 1,923,000 246,750 1,923,000 246,750 1,923,000 246,750 1,923,000 246,750 1,923,000 246,750 1,923,000 246,750 1,923,000 25,000 26,000 26,000 26,000 26,000 26,000 27,000 26,000	8,500 25,568 324 62,967 10,000 8,000 135,647 25,000 480,665 298,424 15,213 69,136 16,378 64,299 6,33 42,500 271,091	1,100,075 600,000 2,320,944 498,217 236,034 607,217 1,332,504 00,000 3,682,857 2,926,956 605,507 13,420,64 2,928,47 41,866,83 11,781,29 11,781,29 2,3486,36 480,67 882,33 1,142,56 1,089,33 1,142,56 1,14		in Re 1 140,555 r by Til (454,073 803,720 2,631,216 273,289 609,076 427,522 132,036 2,458,019 in Erie (4,52,360) 1,152,545 226,611 5,368,772 507,373 in N.Y. 779,880 341,704 75,623 309,922 in Ren 3 111,258	na. & S. 224,413 ga. 52,327 127,943 491,629 80,944 823,425 1,807,921 21,457 7,863,973 2,637,529 2293,457 7,866,828 1,164,003 Central. 89,498 492,433 140,634 276,276 458,511 8. & Bar 146,22 2243,06 38,033	arat. 123,989 44,100 16,231 10,867 118,399 2,756 275,486 636,577 121,566 30,000 2,993,54* 1,269,95 109,13* 3,749,07 456,69 176,75 66,84 2 230,21 652,22 66,84 88,22 61 172,76 66,96 1172,76 66,97 1172,76 66,97 1172,76	3 8 9 10 11 12 12 10 10 10 10 10 10 10 10 10 10 10 10 10	138 904 -0.25 96
30 Sep. '81 May,'	58 223 59 97 60 161 59 161	.9 — .0 — .0 — .5 — .9 —	- 6	6 5		28 24	6 18 32	182	Troy Union Utica and Black River NORTH CAROLINA. Atlantic and North Carolna North Carolina Raleigh and Gaston Wilmington and Manchester Wilmington and Weldon Western North Carolina	7,52,60 862,08 2,157,50 4,235,00 1,240,24 2,632,73	9 * 100 * 111 * 137 * 23	232,90 107,00 4,70	00 1,340,2	25 400,000 000 126,200 700 1,045,00 791,05	276,37 0 51,30 5 102,39 70,86	2 2,419,4 2 2,419,4 0 2,934,5 1 3,114,9 0 364,0	89 84.5 01 94.5 228.6 97.0 09 171.5 54 171.6	61,344	71,896 103,953 206,91 469,45	6,38 38,5° 7 108,54 8 219,6	72	
31 Dec. 1 Aug. 81 Mar. 31 Dec. 1 Dec. 10 Dec. 11 Aug. 11 Aug. 11 Aug. 11 Aug. 11 Aug. 12 Dec. 12 Dec. 13 Dec. 15 Dec. 16 Dec. 17 Dec. 18 Aug. 18 Aug. 19 Aug. 10 Dec. 19 Aug.	61 133 66 60 36 66 60 36 62 133 62 133 62 10 66 20 9 66 21 10 66 3 10 66 3 14 66 3 14	1.0	2.5 9.4 	9.5 9.5 9.5 9.7.9 9.7.9	09.1 31.0 18.0 18.0 147.0 84.0 74.0 23.5 62.2	6 1 25 37 48 17 31 10	5 5 2 22 24 34 16 26 10 3	508 432 634 316 54 89 49 9 100 21 87 82 7	Atlantic and Great Western. Bellefontaine and Indiana Central Ohio	3,030,5 5,579,6 2,933,7 IV. 6,250,8 10. 4,230,7 2,553,1 118 3,452,1 118 3,45	84	91,9 74,0 889 23,3 44 227 55,0 65 541,2 22 62,6 642,2 779 442,2	333 1,628,347 2,155,86 2,60 2,60 2,60 2,60 2,60 2,60 2,60 2,6	131 1,169,000 1,334,000 1,334,000 1,334,000 1,334,000 1,334,000 1,334,000 1,500,001 1,500,001 1,500,001 1,500,001 1,600,001 1,600,001 1,600,000 1,	00 1,126,446 00 228,9° 00 128,8° 00 128,8° 00 94,3° 05 632,4° 00 80,8° 00 80,8° 00 75,0° 00 4,243,0° 00 4,243,0° 00 4,243,0° 00 105,6° 00 105,6° 00 105,6° 00 3,9° 00	200 5,3-10,2-20 8,8-10,2-20 8,988,1-10 130 6,454 1 157 2,917,5-20 200 8,251,6-20 1,104,9-4 1,353,00 1,104,9-4 1,353,00 1,104,9-4 1,353,00 1,104,9-4 1,104,9-4 1,104,9-4 1,104,9-4 1,104,9-4 1,104,9-4 1,104,9-4 1,104,9-4 1,104,9-4 1,100,00 1,100,0	826 144 36 086 16 45 8867 47 13 806 138 820 226 420 192 121 088 201 123 088 201 124 008 201 125 500 0 000 4 373 256	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	81,724,91 375 22 71,551,63 11,436,31 14,361,31 16,361,361 16,361,361 16,37 16,	280,54 464,4	51 15 16 80 80 87 22 83 80 80 80 80 80 80 80 80 80 80	0 0 155 45 45 45 1022 1022 1022 1022 1022 1022 1022 102
81 Oct. 81 Oct. 81 Oct. 81 Oct. 80 Sep. 81 Oct.	'62 '62 '62 '62 '62 '62 '62 '62 '62 '62	15 0 - 24.5 - 35.0 - 52.0 - 10.7 - 85.8 0 - 13.6 - 13.6 - 32.0 - 31.3 - 46.0 - 46.0 - 46.0 - 46.0 - 17.0	4.0 2.8 1.1 18.6 19.2 26.0 5.5 05.5 13.2 55.8 7.0	42.0	17.0	18 16 12 71 16 11 12 11 12 11	3 13 12 20 4 13 13 13 13 13 13 13 13 13 13 13 13 13	1,26	PENNSYLVANIA. Alleghany Valley. Atlantic and Great Wester. Beaver Meadow. Catawissa. Cumberland Valley. Del., Lackawanna and Wester. Erie and Northeast. Harrisburg and Lancaster. Hempfield. Lackawanna and Broad Togot Lackawanna and Broad Togot Lackawanna and Bloomsb. Lehigh Valley. Little Schuylkill. Mine Hill and Schuylk. Hav. North Pennsylvania. Pennsylvania. Pennsylvania. Pennsylvania. Pennsylvania. Phila, Germant'n & Norri. Deliadelphia and Reading. Phila and Baltimore Cent.	5,500, 1,042, 3,634, 1,128, 9,249, 873, 2,083, 700, 1,882, 1,616, 1,423, urg 2,629, 3,373, 1,271, ven 3,252	000 # 342 317, 900 687 # 335 113 105, 607 900 # 560 41, 481 # 518 022 654 # 356 # 35	245	1,000 600 1,182 1,809 570 710 2,297 2,256 3,250 3,147 13,274 1,243 4,322	1,50 000 284,6 290 290 210,2 200 4,629,1 1,000,0 000 1,000,0 400,0 550 500,0 961 1,166,0 1,742,6 250 1,465,1 1,00 960,0 960,0 960,0 9,0 9,0 9,0 9,0 9,0 9,0 9,0	000 115, 600 637, 600 637, 600 27, 600 42, 600 600 100, 600 60	5,500 1,817. 52 3,749. 545 1,384. 1,14 10,662. 1,700 2,409. 1,882. 1,000 2,409. 1,882. 2,023. 2,023. 2,023. 3,262.	,000 8,650 2,752 144,456 7,314 20,168 3,607 7,000 —,550 5,565 3,144 5,833 6,386 7,700 3,265 13	2.0 1,107,6: 6.9 130,6: 120,4: 5.5 oper, 1 2.3 28,4: 0.5 150,9: 0.6 242,4: 6.6 367,2: 3 8 62,1: 0.1 263 8:	45 865, 345 276, 84 255, 638 1,505, 638 2,505, 638 2,476, 88 347, 890 223, 99 Penn 76 29, 94 199, 900 807, 34 397, 451, 34 397, 10,304, 88 262, 451, 34 897, 10,304, 88 262, 451, 34 897, 10,304, 88 262, 451, 34 897, 10,304, 88 262, 461, 34 897, 10,304, 88 262, 461, 34 897, 10,304, 88 262, 461, 34 897, 10,304, 88 262, 461, 34 897, 10,304, 10,	665 210, 880 165, 660 165, 662 753, 98, 922 183, 530 83, 1, R.	427 463 654 496 826 Co, 079 184 066 516 801 485 960 215	3 181 3 181 3 181 10 7 71 23 8 84 1 60 1 8 8 71 6 61 2 8 61

RAILROAD SHARE LIST, including Mileage, Rolling Stock, etc., etc.

An asterick (*) occurring in the column headed "Rolling-Stock," signifies that the cost is included in that of "Railroad and Appurtenances." A dash (--) signifies "nil, Running dots (---) signify "not ascertained." Land-Grant Railroads are in "italics."

	R	ailros		-	Eq		nent.					of Balanc	e Sheet.			fre.	ding.	Earn	ings.	-	1
4	-	and	bun	progress		C	ATP.		Propert	y and A	ssets.		iabilities.		her lia-	ed, in	by l	1			-
Years ending.	K Main Line.	E Lateral a	M 2nd Track	E Boad in progre	Engines.	Passonger.	Freight, etc.	Companies.	Railroad and Appurien- ances.		Invested in foreign works.	Share Capi- tal paid in	Bonded and Mortgage Debt.	Floati		Road operated,	Mileage run by loco- motives with trains.	Gross,	Net	Dividends.	
Oct. 162	28.2	_	1.0		740			PENNSYLVANIA, (Continued.) Philadelphia and Trenton	552,422	\$ 51,460	*	\$.	250.000	*	1,249,200	M. 28.2	M. 102,361	432,351	\$ 228,844	p. c.	1
Oct. 162 Oct. 162 Dec. 162 Oct. 162	59.5 468.9 54.0	1.1	34.8 6.4 59.7 5.6	89.5		110 14 61 4	1,312 66	Philadelphia and Trenton	6,9 79 924 2,036 181 17,736,353	744,425	8:1,129	5,620,500	2,579,000	119,417 312 399 8,405	9,508,406 3,501,853 19,451,676 1,374,555	200.5 72.0 468.3 55.5	582,615 194,000 2,694,467 82,809	2,250,862 129,918 3,745,311 79,618	1,080,995 50,379 1,802,895 9,338	9	
Oct. '62 Oct. '62 Oct. '62 Dec. '62	28.0	=	15,0 6.2 2.5 3,0	_	5	1 4	439	Schuylkill Valley Shamokin Valley & Pottsville Tioga Westchester and Philadelphia	1.178.773	112,824 77,999		576,050 500,000 97,550 683,431	791,597 396,500 953,20s	5,659 65,826 8,000		29.6	57,928 81,934 105,800	159,534 134,788	eading. 99,060 97,862 79,544	9	-
Aug. '68 Nov. '62			2.0 0.5		12		7	RIODE ISLAED. N. Y., Providence and Boston Providence, Warren & Bristol South Carolina,	421,943	# 13,299		1,508,000 4.7,:17	256,800 8,500			62.0 13.6	297,700 23,954	415,309 25,594	199,155 6,789		-
Dec. '58 Dec. '58 Dec. '58	54.9 109.6 40.3	=	****		13	3	176	Blue Ridge Charleston and Savannah Charlotte and South Carolina Cheraw and Darlington	1,719,045	34,372	250,000	1,916,515 706,365 1,201,900 400,000	195,266 384,000	127,905	2,134,092 1,099,536	51.9 109.6		283,263	151,536	6	-
Jan. '69 Aug. '58 July '58	143.2 22.5	21.3		=				Greenville and Columbia Kings Mountain Laurens	2,439,769	324,161		1,429,008 200,000	1,145,000	845,540	200,000	164.5 22.5	*******	841,190	125,871	5	
Feb. '59 Dec. '60 July '58	102.0	106.0		41.6		59		South Carolina	2.011.652	•		400,000 985,743		108,172	575,729 2,057,325	102,0		27,568 220,014 1,499,636	8,527 96,145 701,943	-	
Sep. '60	-			17.0		10	14	TERMESSEE. Contral Southern (Tenn.) Edgeneld and Kentucky	1,021,439 657,947	58,133		505,214 333,204		60,900	1,137,707	30.0	29,845	29,967 9,359	19,187 7,486	-	-
0	140,0	19.4			10	37	128 667	East Tennessee and Georgia. East Tennessee and Virginia. Memphis and Charleston	3,637,367 2,310,033 5,866,578	156,264	129,364	1,289,673 536,654 3,809,949	1,902,000 2,659,000	390,407 260,112	7,627,797	130.3	150,142	318,718 297,806 1,635,096	149,167	-	
0, 0, 0,	100.0	-	20.0			-	119	Memphis and Ohio	2,259,267 2,000,000 1,137,400	141,144		570,000 298,721 798,285	1,361,000 740,000 554,949	145,000	********	=		177,256	60,029	=	
Nov. 160	47.4	-	7.0	=	15	5 2	81 81	Contral Southern (Tenn.) Edgetield and Kentucky East Tennessee and Georgia. East Tennessee and Virginia Momphis and Charleston. Memphis and Ohio. Memphis and Ohio. Memphis Clarkesv. & Louisv. Mississippi and Tennessee. Mississippi Central and Tenn McMinnville and Manchester. Nashville and Chattanooga.	892,710 633,807 3,632,882	82,908 56,816		817,447 144,894	632,500 406,000	22,369 5,000		47.4 34.2	54,175 30,065	83,129 23,808	44,666 13,892		
0	45.8		4.5	11.7		-	-	Nashville and Northwestern . Tennessee and Alabama	76,016	76,016		2,056,544 595,922	860,000	204,544		45.8	57,950	127,953	87,243	-	
*58	30.0	-	0.6	158.6				Winchester and Alabama TEXAS, (all aided by State). Buffalo Bayou, Braz. & Col'r'do				216,962	413,000	408,477		32.0		1,248			
166 May '66	50,0 70,0) -	1.8	184.0 75.0 280 0	0 1	1 5	124	Galvest., Houst. & Henderson Houston and Brazoria Houston and Texas Central	1,250,000	•		275-000 455,000	240,000 975,000	171,560		56.0 50.0 70.0	31,300				
'59 '59				110.0 750	0			San Antonio & Mexican Gulf. Southern Pacific VERMONT.								25.0 28.0				-	
Aug. '62 Aug. '62 Aug. '62	110	8	6.0	0 -	- 2		548	Connect & Passumpsic Rivers Rutland and Burlington Rutland and Washington	3,989,768	556,275		1,230,400 2,233,376	3,183,038	663,019	6,879,434		394,393	822,928			
May, 62	117.6	0 2	5 4.		1:	30	88	Vermont Central Vermont and Canada	1,678,500	*		1,097,000 5,000,000 1,378,500	3,500,000	1,500,00	1,378,500	174.5 ope	679,677 r. by Vt.	713,418 Central	191,460	3	
Jen. '62 Jen. '63	69.0		5 3.	8	-	3 6	- 8	Western Vermont VIRGIBIA.	1,083,500			516,164 832,000	700,000			ope	63,041 r.b.Troy	45,273 & Bost,			
Aug. '56 Sep. '56 Sep. '56	9 77.	8 8.	3.	122 8 105.	6	0 3	227	Alex, Londoun & Hampshir Manassas Gap Norfolk and Petersburg	2,942,548	210,680		1,403,618 2,969,861 1,500,124	775,500	118,78	1,534,194	113.7	703,034 47,702				
Sep. '56 Sep. '66 Sep. '56	103	3 68,	1 10		- 1	8	17	Northwestern Virginia Orange and Alexandria Petersburg and Lynchburg	0,822,130			468,605 2,063,655 1,865,300	5,719,229 2,517,500	590,05	3	103.5	345,427 270,846	248,004	l loss 222,214	4	
Sep. '51	0 140	2 21.	7 12		- 1	4 1 3	13	Petersburg and Roanoke	1,223,528			883,200	102,500 1,200,000	5,79 75 90	1,486,527 6,753,658	80.5	224,014	326,554 560,904	213,855 282,32	2 -	
Sep. '5' Sep. '5' Sep. '5 Jan. '6	9 75. 9 22. 6 23.	2 2	8 5.	1 -	6	0	19 18 2	Richmond and Petersburg Richmond and York River	e 1,985,579 1,222,523 704,840	*	52,80	1,041,880 835,750 657,812	204,808	26,85	3	43.8	1,058,054	163,753	79,58	5	
Jan. 16 Sep. 16 Jun. 16	0 80. 0 178.	2 9	21.		0 2	0 1 2 2	11 7/3	Seabourd and Roanoke Virginia Central Virginia and Tennesseo	_ 1.409.240	541,197	L. Again	8,162,764	1,480,592	52,92 52,92 571,95	5 1,639,648 9 4,832,928 8 10,233,271	8 80.0 9 195.0 1 214.9	280 968 480,193		1 859,13	0	
50p. '5	82	0	- 2	.5 -	-	5	4	Winchester and Potomac Wisconsin.	516,830	59,000		800,000	120,000	24,73	8		30,000				
Dec. '5	8 40.	.0	24.		-	5 1		Milwaukee and Minnerota.	1,830,073		23,30	4,940,000	2,460,000 600,000	-		199.9	74,24		82,18		
Dec. '6	2 50	9 42	5 28.	0.0	- 3	8	67	Milwaukee and Horicon Milwikee and Prairie du Chie Milw., Watertown & Barabo	n 7,500,000 514,238	*		1,101,200 4,826,800 345,860	2,454,000	221,28	2 7,978,84	1 234.4	0	1,163,73	414,74	i	
May, '6	2 104 8 10	0 =	-	. FF	-	8 1		Kacine and Mississippi Wisconsin Central	. 3,802,016			2,705,72	1,417,000	1,085,32			364,333 Fox Riv	er Vall		-	
Jan. '6 Doc. '6	12 49	0.0	-		-11	0 2	7 21	CANADA. Buffalo and Lake Huron (y y 4 Montreal and Champiain	2,463,989		1	11,770,000 1 1,631,130			11,938,00 4 2,663,87						
Jun. 'c	3 1,00 3 220	03 137	63	78	0 20	14 18 12 12	0,1,68	7 Brockville and Ottawa 2 Grand Trunk 9 Great Western	_ 23,933,750		1,250,00	15,123,430 0 16,802,74	54,750,510 5 9,281,435		26,084,18	5 1,090 0 357.0	8		0 1,154.85 0 1,649,51		
Dec.	2 95	1. 0.	.6		-	2 2	2 8	2 London and Port Stanley 7 Northern (O. S. & H.) 8 Ottawa and Prescott									6				
1 Dec. '(1	.0 -		-		4-	- 8	New Brunswick.				A GEO PO	750,000		A SEO BO	25,0	0	100,00	1		
Lot. 'd		1.0	12			14 1	-	I European & North America New Brunswick and Canada Nova Scoria.	1,402,748	102,388		1,380,000	13,100	136,00		2 60.0	0	132,55	5 36,67	0 -	
Dec. '6	61 42 48		lü	T		10 18		New Granada.	1		635.00	4,273,28	3,375,000		4,273,28		158,41	1	1	1	

MIPS

				ME	RICAN RAILROAD JOURN
New York Stoe	k Exc	hange		0 94	New York Stock Exchange.
Actual Sale Prices for the	or Bar	ding D	cember	2.	Actual Sale Prices for the week ending December 2.
American Coal Co.	93		91	90	Th.28, F.27 Sat.28, M.30, Tu.1, W.2.
California 7s			1231	••••	U. S. 5s, 1871, reg. U. S. 5s, 1871, coup.
Central Am. Transit	33\ 33 50 3	33	30	32± 20	U. S. 56, 1874, reg.
Chicago & Alton	81 8	. 84	88	82 90	U. S. 5s, 1874, coup
ii ii Ino bida		20.4	****		U. S. 6s, 1881, reg 109 108 109
Chicago, Buri. & O	il	i	1164		U. S. 68, '81, O.W.L.y 105
Chic, & Northwest'n	46 4	47	451	452	U. D. US, 100 (, FOX,
" pref	93 90				U. S. 6s, 1867, coup. U. S. 6s, 1868, reg.
	7		93 <u>1</u> 76	75	U. S. 6s, 1868, coup U. S. 6s, 1 year certif
# # A B			****		U. S. 6s, " "new 98 98 98 98
Chicago & Rock lel	104 10	44 104	1021	1024	U. S. 6e, " reg
" 1st M. '70	155		109		7.30 Notes, Feb. & Aug. 1061 1061 1061 1061 1061 1061 1061 106
Clev. and Pitteburg.	1021 10	5 103	1021	102	American Gold 143 144 148 147 148
" " 2 M	**** **		****		Philadelphia Stock Exchange.
" " 4 M			83		Actual Sale Prices for the week ending December 1.
Clev. and Toledo	115	113	113	112	W. 25. Th.28, F.27. Sat.28, M.30, Tu.1 Beaver Meadow 77‡
Cumberland Coal, pref	38 3		35	32	Cattawissa 10 91 10
Del., Lack. & West.	**** **				" preferred 31 301 30 30 30 Camden & Amboy
" 1M.8p.c.'71-6 " 2M.8p.c.'81	****				" 6s,'67
Erie	105# 10	7 107	105	1044	44 45 68,75
" 1 M. 7 p.c. '67	100 10		101	101	и и бв. 89-
61 0 M H 1011	11	5 115	****	112	Ches, & Del, Canal cs '86 1011 1011
" 4 M. 7 p.c. '80 " 6 M. 7 p.c. '88					Elmira & W'msport
	107 10		1064	106	" " 78
4 2M,7p.c. 75					Harrisburg
Hann. & St. Jo. pref.				****	Lehigh Navigation 60 60 106 1
Hudson River		4 123	122	121	Lehigh Valley R. R 84
" scrip			00		" " serip50
2M. S.F.	****				Little Schuylkill R. R. 511 514 501
" 3M. 7p.c. 75				103	Long Island
Illinois Central scrip full stock		201 119	-	1164	Minehill 61
" Can,bd,sc				117	Morris Canal 73
Marietta & Cin 1st pref,		70	70	****	" " 66 '76
Mariposa Mining Co	394	9 39	874	35	North Pennsylvania 24 23 23 224 22 68 96 96
Michigan Central SF. Spc. '82		44 124	123	123	Pennsylvania R. R 721 711
conv.8p.c.'69					" 1st m 110 110
M. S. and N. I. guar'd	135 -	80½ 81 135	79‡ 135	734	Penn. State, 5s 100 991 100 99
" 1M.S.F		104			# # 60, #
Mil. and P. du Chien	57	54 55	53	53	" new-1081 108 1081 108
" 2d pref		88	87	****	Philad, Germ. & Nor 59 583 Phila. & Rending 624 614 614 614 61
Minnesota Mining Co	**** *			****	68, 86
Miss. & Mo. L.G.bonds		37			Philadelphia & Erie 301 30 292 30 29
Missouri 6s	674	371 68	67#	67	" 68.1044 Philad. & Sunbury, 78
N. J. Central 1st M					Schuylkill Navigation 18 18 17 pref. 341 331 331 33
New York Central	134 1	344 185	134	138	" 68'82 91\$ 90 88\$ 89\$ 89
" 78, 1864 " 78, S.F. 76					" 68 '72
" 78,conv.'76 " 68, S.F.'83	**** :				Susq. Canal
N. Vork & Hariem		96 93	91	901	# # 68'78
" "IM.7p.c.'73		110		****	Union Canal, pref 5
" 2M.7p.c.'64 " 3M.7p.c.'67	200				West Br. Canal 6s '78
Norwich & Worcester				****	Wyoming Valley Canal 82 Arch street, (Horse) 322 323
Ohio & Miss. cer.	210 2	10 212		36 211	Chestnut & Wal. " 57# 57#
Panama	2 (212	87	160		Race and Vine, " 18! 19 19 19 19
Phila and Rending	1221 1	23 123 83 83		121	2d and 3d streets, " 14 14 14 14 14 14 14
Pitts, Ft. W.&Chicago		109			Baltimore Stock Exchange.
8M			. 85	104	Actual Sale Prices for the week ending December 1.
Quicksilver Mining Co St.L., Alton & T. H	62	62 64 574 58	63	63 55	W.25, Th.26, F.27, Sat,28, M.30, Tu.1
" pref		74 75	75	****	Baltimore City 6s, 1875 1081 1081 1081
" 2M. pref		91		****	# # 1870
Tennessee 6s, 1890		591 59	82	824	Balt, and Ohio 941 94
Toledo & Wabash	47	45 44	7777	44	" " b'ds, '62. 90
" " " " M					1 1084 1084
" 1M. ex		86]			" '85.104 1061 107 107
" Int. b'ds-					Northern Central 424 41 41 41 41 41 41 41 41 41 41 41 41 41
Virghia 6s	68 .	55	55	55	и и и 195

"nil.

Price of shares.

Actual Sale Prices for the	week	end	ing D	ecembe	r 2.
Th.26.					
Boston and Lowell					106
Boston and Maine	123			128	128
Boston and Providence					
Boston and Worcest		137		****	138
Cheshire, pref	50±		50		Dil.
Concord					

Boston and Lowell	123	****		128	106
Boston and Providence	-		****		1284
Boston and Worcest	****	137	****	****	1001
Cheshire, pref.	501		50		1384
Concord		****	90	****	****
Connecticut River	****	1044	1011		105
Factory Moss	****	104	1011		105
Eastern, Mass,	****	931	****	****	981
Kastern, N. H.	****	****	****	****	****
Fitchburg		****			114
Manchester & Lawr'ce	****	****	****	115	-
Michigan Central	****	****		****	
Northern, N. H.		****	70		
Old Colony and Fall R	****	****	143		143
Ph., Wil. & Baltimore	68	675	67	671	671
Portl'd, Saco & Ports	****			110	****
Vermont & Canada	****				
Vermont & Mass	40	894	40		894
Western	1:04	150	-		-
Broadway (Horse)	****	****	****		
Cambridge "					1254
Metropolitan "	****	75		69	69
Middlesex "		1074		1074	1071
Central Mining Co		58			-
Franklin "		49	49		474
Isle Royale "		25	25		
National "		80	301		
Minnesota "			70		
Pewabic "	661	634			
Pittaburg "	91			82	821
Quincy	944		953		
Rockland "	****		184	1	184
					*0

London Stock Exchange.

The following were the closing prices for American Securities on the 17th November:

Maryland 5s 73	to	76
United States 6s, 1881 60	44	65
Do. 68, 1874 55	66	60
Virginia State 5s 46	- 64	50
Do. 6 per cent	84	38
Atlantic and Great Western, N. Y. sec., 1st		12.0
mort., 1880, 7 per cent	44	78
Do., Pennsylvan'a do. do 75	-	77
Erie shares, \$100 (all paid) 65	66	67
Do., 7s, preference 64	64	66
Do., 7s, 1st mort., 1867 68	44	721
Do., 7s, 2d mort., 1859 68	66	72
Do., 7s, 3d mort., 1883	-	72
Do., 7s, 4th mort 65	144	70
Do., 7s, 5th mort 68	65	72
Himois Central 6s, 1875 82	65	84
Illinois Central 7s, 1875 73	68	75
Do. do. \$100 shares, \$90 paid, dis 21	64	19
Do. do. \$100 shares, all paid 70	- 66	72
Marietta and Cincinnati Railroad Bonds 71	86	73
Michigan Central 8s, Convertible, 1869 70	44	75
Do. do, S. F. 1st mort., do., '82.x. c. 73	- 68	78
	44	
	-	75
	44	-
New York Central 6s, S. F., 1883 68	-	72
Do. do. 78, 1864		60
Do. do. 7s, S. F., 1876	- 68	82
Do. do. 7s, Convertible, 1876 80	44	85
Do. do. \$100 shares 83	. 44	- 86
Panama, 1st mortgage 7s, 1865 99	- 42	101
Do. 2d mortgage 7s, 1872104	- 41	106
Pennsylvania, 1st mort., 6s, Convertible 68	- 68	72
Do. 2d mort., 6s, do 86	- 88	- 88
Do. \$50 shares	**	40
Philadelphia and Reading, \$50 shares \$3	**	38
	-	-

American Railroad Journal.

Saturday, December 5, 1863.

Stock Exchange and Money Market.

Our recent arrivals from Europe bring us intelligence of an approaching crisis in the foreign money market. One cause unquestionably is a demand from the East in payment for its cotton, which seems to be unappeasable. But another is equally obvious, the unsettled condition of European affairs arising from the recent speech of Louis Napoleon. The great point he made was, that the treaty of Vienna, in 1815, was no longer practically in force either in regard to the exclusion of the Bonaparte family from the throne of France, or in relation to the territorial integrity of other countries. The mere intimation of recon-struction has therefore caused alarm, and continental speculators look upon war as near at hand. All the first class powers are taking time to consider whether they will enter into this Napoleonic " 195..... Council, and some of them are inquiring what is

to be its business, and what the programme of the French Emperor. Austrian funds have depreciated 5 per cent since the promulgation of the speech, and the posting of the autograph letters. The shares of the great Frankfort Bank (which is an indicator of the Commercial feeling of the Germans,) also receded to the same extent, and the differences in the Zollverein are melting away into a harmonious agreement in the presence of apprehended danger. The rate of interest has everywhere advanced, and the bullion market is disturbed.

The British Government is obliged to draw on India to stop the export of specie, and rupee bills (paper currency in no particular favor) are also to be substituted for gold. So we see that Europe has its own financial difficulties, enhanced by the avowal that the French Government will shortly have to offer for a heavy loan. In connection with this is another curious circumstance that has probably much to do with the revenue of the Empire. It is known that there has been a large quantity of tobacco belonging to its Government lying in the Richmond warehouses, paid for before the war, but not delivered. It is believed that after much negotiation Mr. Seward has consented to its exportation as an act of grace, and a fleet of French transports is announced as about to proceed up the James river to take it on board and convey it to France, where its arrival will be equivalent to the receipt of a large remittance of money. It is doubtless well known to our readers that tobacco is a monopoly of the French Government, and that its sale produces a large amount to its Treasury, as it evolves a duty from every whiff escaping from French lips. When we get our volume of correspondence from the State department, we shall be able to see how the affair has been managed. We notice among the contents of le Livre jaune, which except in the color of its binding, answers to the English Bluebook, there are no less than twelve documents relating to American affairs, from one of which it is ascertained officially that France does not seek for any acquisition in America for herself or any one else. Hence the tobacco is allowed to depart, and with this aid to Mr. Fould's budget, Louis Napoleon may feel stronger in his European policy. It will pay interest if it does not discharge the principal of the new debt.

All this foreign difficulty will probably have some effect on our own financial situation. We hope that our importers will not trust to foreign bills to the extent of many millions at a time, for a general war in Europe or a revolution in France might cause some of them to be returned.

We have therefore great reason to be satisfied with our own easy market with this large war on our hands. It demonstrates beyond a question the matchless ability of our countrymen, and the immensity of our national resources, that we are able to carry on our business with so little disturbance, and that if we are not in our normal condition of health, it is not exhaustion which troubles

The article of all articles, gold, before which so many are inclined to prostrate themselves if not to worship it, has had its infallibility somewhat disturbed of late in our market. If it falls 10 per cent., in a short time at the intelligence of one victory, what will it be worth when we have conovered the rebellion? We are inclined to the opinion be put upon the market. The conversions into Yellow Jacket, \$9 50 per foot; Central \$13 per

we have frequently expressed, that the high price paid for gold is unnatural and unjustifiable. It is true the export of gold to England at this moment pays a small profit, but it is a very small one. Other articles pay much better. The Secretary of the Treasury, or the associated city banks of New York could break down the rate any day they chose, with the utmost ease and without any loss. Five millions put upon the street would break all the operators in a row, and the sellers after realizing a large profit could take it in again on their own terms. The bare possibility of such an event should produce greater caution than is at present apparent in Wall street. We notice in a late number of the San Francisco Mining Journal, that the products of the California mines continue large, and that \$5,000 per ton is not an unusual yield. It is easy to see that there is not to be any falling off in this National staple, come what may. And yet it is a singular and suggestive fact, that in California, where paper currency is as yet excluded from circulation, the rate of interest remains where it has long stood, from 11/2 to 2 per cent, per month on the best security. This rate, if usual on the Atlantic coast, would break up one half our commercial enterprises. Paper therefore is not to be despised, especially when we are carrying on a contest for our unity and our national existence.

The Share Market has been disturbed of late, and the speculations of the press are as diverse as their interests and ownerships, for it is well understood the money articles in many of them are written with reference to private interests. Thus some predict a large increase of paper money, and call for it; others reject the idea of its necessity or propriety, and warn the public against a fearful crash when the restrictive policy of the Government is more developed. It is understood that legal tender bonds bearing interest are to be used as far as possible, in place of the present legal tenders, and that our soldiers are to be asked to take them in their stead. As it is a notorious fact that very large amounts of soldiers' pay are sent home for investment, and the support of their families, we therefore do not see why they should not receive them at first hands, viz., at the hands of the Government through their paymasters. Contractors also, who are making large sums out of the war, could not with any decency of conduct refuse to receive a portion of their profits, at least in this kind of currency.

The railroad Share Market has also been disturbed. Large sales of Erie have been made to secure the late advance, and a cash movement in Central, to the extent of 7,000 shares and upwards within the last few days, evidently for the purpose of obtaining additional votes at the election for directors now close at hand. The stockholders of the Harlem have agreed to issue the unsold shares of the company two millions and more, by which the capital will be increased to eight millions as it was originally intended to be. If the amount thus raised is judiciously applied to the construction of a double track to Albany, the Harlem will ing houses on the street. be a first class trunk road, and by its connection with the Central will enjoy an enormous freight and passenger business, which cannot but place it in a dividend paying position. But it remains to be seen at what price the new issue of stock can

the 5-20's continue large. On Tuesday \$1,498,500 were received. The receipts at the Custom House also continue large. During the last month, the New York office received \$5,115,500 against \$3,-018,000 in November, 1863. The aggregate income from customs this year will, it is confidently expected, reach the sum of \$70,000,000, while the interest on the public debt thus far is but about \$48,000,000.

The last week's exports of Domestic Produce and Miscellaneous Goods (exclusive of specie) from this port, were to the value of \$3,251,634, against \$3,903,918 same week last year, and \$2,-849,445 the corresponding week of 1861.

One hundred and thirty-three national banks have thus far been established, with an aggregate capital of \$20.917.500.

There is a good supply of money at 7 per cent.. and Government stocks maintain their standing, The public are anxiously waiting for the usual annual reports of the National departments, and we venture to predict that Mr. Chase will produce a budget which will give great satisfaction to the country.

The coupons due December 1 of the Milwaukee city readjustment bonds will be paid on presentation to W. Schall & Co., in this city.

The Lehigh Coal and Navigation Company have declared a dividend of three per cent., payable on demand, less the National tax.

The interest due 1st December on the first mortgage bonds of the Pittsburg Coal and Railroad Company will be paid, at the office of Geo. T. M. Davis, 47 Exchange place.

The principal and accrued interest of the San Francisco Water Works bonds, due April 1, 1864, will be paid at the office of Duncan, Sherman & Co., in this city.

The coupons due December 1, on the first mortgage bonds of the Staten Island Railroad Company will be paid at the office of the company No. 3 Bowling Green.

The interest due, December 1, on the bonds of the New York and New Haven Railroad will be paid after that day at the Bank of the Republic.

The firm of Read & Lathrop is dissolved by the decease of Mr. Read. The business will be continued by the new firm of Lathrop & Mott, at the office, 40 Wall street,

Messrs. Robert Yelverton, W. Wallace Merriam and Theodore Ames have to-day been received as partners into the well known Stock Exchange firm of Merriam & Bell, 18 William street.

Mr. Robert L. Cutting, an old member of the New Yerk Exchange Board, has formed a partnership with his son, Mr. Robert L. Cutting Jr., under the style of R. L. Cutting & Son.

Messrs. Talcott Brothers and Mr. R. K. Holdane have formed a new stock firm at No. 66 Beaver street, under the style of Holdane & Talcotts.

Messrs. Livermore, Clews & Co. have removed to their new and spacious office No. 32 Wall street. The improvements made by the new firm have converted the premises into one of the finest bank-

By telegraph from San Francisco, to Ross, Dempster & Co., dated 26th Nov., Mining Stocks were quoted:

Ophir, \$16 25 per foot; Gould & Curry, \$46 per foot; Surage, \$28 asked; Potosi, \$11 per foot;

foot; Best & Belcher, \$6 per foot; Grass Valley, 70c. per foot,

The well known Flour Exchange firm of Messrs. A. W. Greenleaf & Co., in Exchange place, temporarily retire from active business, in favor of the new firm, Messrs. Stimson, Fronk & Co., who occupy their old office, No. 44 Exchange place. Mr. Fronk is a member of the Stock Exchange, and for the last two years has represented Messrs. Greenleaf at the Board.

The following quotations of sales of Railway and other securities are in addition to those given elsewhere in our columns :-

New York .- Peninsular R. R. 1st mort., 80; Little Miami, 140; Goshen Branch bonds, 104; North Carolina 6s, 59; Kentucky 6s, 104; Illinois Coupon bonds, 1877, 1031/2; Brooklyn City Water Loan, 109; Wyoming Valley Coal, 961/4; Bucks Co. Lead, 11/8; Continental Bank, 100; N. America, 109; Importers' and Traders, 108; American Exchange, 108; Commerce, 1051/2; National, 104.

Philadelphia .- Pittsburg 6s, Municipal, 90; Camden and Amboy mort. loan, 106; Junction R. R. 6s, 106; Central Ohio R. R. shares, 10; Huntington and Broad Top, 20; do., 1st mort., 1011/4; Philad., Wil. and Balt. R. R., 671/4; Delaware R. R. guar. bonds, 102; West Branch Canal, 110; Union Canal, 2; North Penn. scrip, 90; West Philadelphia R. R., 701/2; Ridge Avenue, 21/2; Girard College, 27; 17th and 19th streets, 111/2; Penn. Mining, 43/4; Green Mountain, 6; Locust Mountain, 32; Big Mountain, 47/8; Southwark and Moyamensing Gas, 101/4; Farmers and Mechanics' Bank, 59; Western, 65; Mechanics, 271/4; Philadelphia, 125; Commonwealth, 531/2; Girard, 451/2; North America, 1511/2; North Kentucky Bank, 104. The latest quotations are: City 6s. 101@1011/2; do., new, 104@105; State 5s, 991/2@ 100; Reading, 605/8@603/4; do., 6s, 1870, 106@ 107; do., 1886, 120@122; Camden and Amboy, 165@172; Pennsylvania R. R., 71@711/4; do., 1st mort., 1081/2@1101/2; do., 2d mort., 105@1061/2; Little Schuylkill R. R., 50@501/4; Morris Canal, 72@74; do., pref., 137@138; Susquehanna Canal, 151/2@153/4; do., 6s, 63@65; Sch. Nav., 17@18; do., pref., 323/4@33; do., 6s, 1882, 89@891/2; Union Canal bonds, 26@261/2; Delaware Div. Canal, 40; do., bonds, 103; Elmira and Williamsport, 35@37; do., pref., 52@54; do., 7s, 1873, 109; Beaver Meadow, 77@78; Harrisburg, 71@72; Long Island R. R., 40@42; Lehigh Coal and Navigation, 60@ 61; do., scrip, 49@491/21; North Pennsylvania 211/2022; do., 6s, 953/4096; do., 10s, 1211/20122; Philadelphia and Erie, 291/2@295/8; do., 6s, 104@ 1041/4; Minehill, 605/8@603/4; Catawissa, 01/4@93/4; do., pref., 291/4@291/2; Lehigh Valley, 841/4@843/4; do., bonds, 107; Frankfort and Southwark (horse,) 58@60; Second and Third, 83@85; Race and Vine, 18@19; West Philadelphia, 70@71; Spruce and Pine, 13@14; Green and Coates, 441/2@46; Chestnut and Walnut, 58; Arch, 81@32; Thirteenth and Fifteenth, 34; Seventeenth and Nineteenth, 111/4@111/2; Girard College, 263/4@27; Tenth and Eleventh, 47; Norristown, 581/2@583/4; Lombard and South, 16; Ridge Avenue, 211/2.

Boston.-Northern (Ogdensburg), 1st mort. 1001/4; 2d mort., 28; Rutland and Burlington 1st mort., 65; do., 3d mort., 3; New York and Boston of the receipts will go to the stockholders."

foot; Overman, \$4 30 per foot; Sierra Nevada, Air Line, 18; do., 6s, 65; Michigan Central 8s, 75c. per foot; Burning Moscow, \$1 80 per foot; 1869, 120; Eastern R. R. 6s, 1874, 103; South Crown Point, \$10 per foot; California, \$8 per Shore R. R. 6s, 1880, 961/4; Vermont Central, 1st mort., 77; Old Colony and Fall River R. R. 5s, 1867, 9934; Cheshire R. R. 6s, 1880, 10134; Massachusetts State 6s, 1876, 117; Vermont 6s, 1874, 1043/4; Maine 6s, 1880, 1061/2; New Hampshire 6s, 1868, 1013/4; do., 1874, 105; Boston City 5s, 1882, 109; do., 1884, 11234; Roxbury 5s, 1879, 961/2; Bath 68, 1870, 1013/4; do., 1891, 1081/2; do., 1890, 103; Portland 6s, 1877, 102; Albany 6s, 101; do., 1876, (W. R. R.,) 1041/4; Bangor 6s, 1876, 1021/4; Ct. and Pas. River pref., 493/4; do., 6s, 101; Malden and Melrose 6s, 1880, 953/4; Boston Water Power Co., 473/4; Cary Imp. Co., 10; East Boston Co., 1334; Essex Co., 89; Waverly Co., 23/8; Union Steamship Co., 158; Boston, Newport and New York Steamboat Co., 1035@1040; Boston and Roxbury Mills, 60; Dorchester Gas, 67½; Boston Gas, 850; Cambridge Gas, 109; Lorberry Coal, 681/2; Franklin Coal, 1281/2; Boston Music Hall, 60; Boston Athenæum, 100; Mercantile Marine Ins., 111; City Fire Ins. Co., 56; Union Bank, 116; Blackstone 106; Merchants' 98; Bank of Commerce, 100; North Bank, 97; State Bank, 741/4; City Bank, 10234; Bank of Republic, 98; Harvard Bank, (Cambridge,) 1031/4; Oxford Plumbago Mining Co., 75; Hampton Mining and Smelting Co., 21/2; Acton Mining Co., $4\frac{1}{4}$; Albany and Boston, $13\frac{3}{4}$; Algomah, $2\frac{1}{2}$; Bolton, $2\frac{3}{4}$; Broome, $22\frac{1}{2}$; Boston, 6; Bay State, 19; Black River, 50e.; Bohemian, 8; Columbian, 81/4; Copper Falls, 28; Canada, 11/2; Chaudiere, 31/2; Colorado, 53/4; Dana, 41/4; Dudley, 41/4; Dacotah, 51/4; Flint Steel, 91/2; Great Western, 4; Hancock, 13; Hanover, 41/4; Huron, 311/2; Mesnard, 13; Mandan, 31/2; Madison, 63/8; Manhattan, 41/2; New England, 31/4; Norwich, 61/2; North Western, 97/8; Natire, 41/2; Naumkeag, 71/4; Ottawa, 40c.; Phœnix, 25; Pontiac, 7; Star, 61/4; St. Mary's, 11'; Superior, 101/4; South Side, 51/2; Tremont, 47/8; Toltec, 33/4; Wickham, 75c.; Winthrop, 61/2; West Minnesota, 771/2.

Baltimore.-N. W. Va. 1st mort., 1051/2; Central Ohio shares, 10; Santa Clara Mining Co., 8; Springfield 2.10; Silver Valley, 10; Balt. and North Carolina, 20; George's Creek, 71; Farmers' and Mechanics' Bank, 391/2; Union Bank, 731/2; Marine Bank, 301/4. The latest quotations are Balt. and Ohio, 981/4@941/2; do., 6s, 1867, 104; do., 1875, 108@109; do., 1880, 107; do., 1885, 106@107; Northern Central, 41@421/2; do., bonds, 1885, 1041/4@1043/4; N. W. Va., 91/2; do., 1st mort. 105@110; do., 2d mort., 102; do., 3d mort., 25@ 27; do., do., guar., 101; Central Ohio 2d mort., 104@112; do., 3d mort., 75; do., 4th mort., 431/2 @50; do., income 1857-'60, 3534; Western Md. bonds, 82@83; do., guar., 107@110; Maryland 6s, coupon, 1870, 1101/2@1121/4; do., Ins., 115; do., 1890, 112; Baltimore 6s, 1870, 100; do., 1873, 106; do., 1875, 1081/4@1081/2; do., 1886, 1093/4; do., 1890, 1091/2@1097/8; do., coupon, 1081/2@109; do., 5s, 1838-'70, 100; City Passenger R. R., 18@19.

The Philadelphia Inquirer says :- "They have commenced shipping coal from the Green Mountain under a royalty of forty cents per ton, and as the Company is free from debt, the whole

Penn. Mining Company.

The par value of the stock of the Penn. Mining Co. is \$25 per share, on which there has been paid \$21/2 per share. The whole amount of shares is 20,000. The Company, which was chartered by the Legislature of Michigan in 1859, owns three thousand acres of land in that State, in which are included the old Algonquin Copper Mines. The breaking out of the rebellion diverted attention from the property, but recent examinations indicate the presence of copper in various parts of the tract, which is now being energetically explored by competent engineers with flattering promise. It, of course, has never paid a dividend. The Company, we learn, is entirely free of debt, and has now \$12,000 in its treasury.

SPECIAL CAUTION TO Railroad Companies & Car Spring Manufacturers.

Notice is hereby given that the Metallic Car Spring Co. of New York are the sole assignees of the Patent granted to Richard Vose of New York, March 11, 1862 (re-issued Feb. 24, 1863) for an improvement in Steel Spiral Springs; that they thereby own the entire and exclusive right of making. using, and vending to others to be used, any form whatever, of Steel Spiral Spring which is protected from entire exhaustion and from contact of Steel against Steel by mean of the interposition of India-rubber, wool, or other elastic gummy, or fibrous substance between its coils; and that they will hold responsible and prosecute for damages, all persons who may either make, use or vend Spiral Spring packed as described.

RICHARD VOSE, Sec'y Metallic Car Spring Co., No. 54 William st., N. Y.

Big Mountain Coal Co.

The Big Mountain Coal Company's property is situated at Shamokin Coal Township, Northumberland County, Pa., and consists of 2,187 acres of coal lands, 3,400 acres of timber lands, 11/2 miles of locomotive road, and another mile in course of construction. One colliery leased and been in operation for years, which would have produced 100,000 tons this year, if cars sufficient could be had to bring it to market. Two new leases have been made this year, one of which will be in operation immediately after Jan. 1, 1864, and the other as soon as a tunnel can be made to approach the coal. When these three are in full operation, 250,000 tons can be got to market per annum, leaving a place for two more collieries for leasing. The coal, which is anthracite, both red and white ash, is brought to market by rail to Sunbury via Elmira, down Northern Central Railroad to Baltimore, and over Minehill Road to Philadelphia. The Company has \$31,000 bonded debt, no floating debt; 60,000 shares of stock, par \$25, paid \$10. Is a full paid stock; no more instalments will be called. The office of the company is at 320 Walnut st., Philadelphia.

The Kennebec and Portland Railway receipts last year were \$279,734, against \$205,841 for the preceding year. The Williams' debt, \$91,-460, has been paid off; the Cumberland and Oxford Canal from Portland Depot to Vaughn's Bridge and a lot of contiguous ground purchased, securing right of way and connection with Western roads. It is proposed to expend \$70,000 on the Portland terminus, and \$10,000 at Bath.

Railroads in Missouri.

We see it stated that efforts are being made in Missouri to transfer the obligation of meeting the interest upon the bonds directly to the Railway Corporations to whom they were originally issued, and upon whose lines of road they are a first mortgage lien. Several of their lines, besides the Hannibal and St. Joseph, which has always provided the interest on the \$3,000,0000 issued for its construction, are now in prefitable operation. Others are partially earning the State interest. In his message of the 10th ult., to the Legislature, Gov. Gamble says:

"In relation to the railroads I have only to say, that I have so recently received any of their re-ports that I am unable to give any statement of their condition and prospects. There is one singular fact in relation to the Iron Mountain Rail-road to which I would call your attention. It is, that the Company, having a surplus of the earnings over the expenses of their road, have thought that they were under obligations to pay into the State Treasury a portion of that surplus, to be applied to the interest upon their bonds. Although the sum thus paid is small, yet it indicates a willingness to do something for the restoration of the credit of the State, and in that respect differs from the course pursued by other roads, which

have been in default.

"As all the roads have their officers regularly in attendance upon each session of the General As-sembly, no doubt their condition will be repre-sented by persons so in attendance, and while I have no plan to suggest to you in relation to the roads, I earnestly recommend that the speedy restoration of the credit of the State may be steadily kept in view in any measures that may be adopted."

Schuchardt & Gebhard, BANKERS. 21 NASSAU ST., NEW YORK.

BILLS OF EXCHANGE A: sight or 60 days on all the principal cities of Europe,

LETTERS OF CREDIT for travellers in Europe, and also COMMERCIAL CREDITS.

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No. 125 WALNUT ST., PHILADELPHIA, AGENT OF THE

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FOR ALL CLASSES OF STATIONARY MACHINERY, LOCOMOTIVE ENGINES.

RAILROAD CARS, COTTON SPINDLES, SEWING MACHINES AND WOOLEN FACTORIES.

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THIS PAINT is warranted not to Crack or Scale either on Wood, Iron, Tin, or Canvass.

The ingredients in its composition are all of a preserving and protective nature. This Paint is now extensively used by Railway Companies and pronounced much cheaper, more durable and satisfactory than what was previously used. It is 2-5ths heavier in body than any other Paint.

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Ture, Vessels in Port and their Cargoes, etc., against Loss or Damage by Fire, on the most favorable terms, also, Inland Navigation & Transportation Risks.

The Insured receive 75 per cent of the Net Profits annually, without meurring any Liability. When preferred, ascount will be made in heu of participation in Profits. SCRIP DIVIDEND OF 1861 ... 50 per cent. SCRIP DIVIDEND OF 1862 ... 50 per cent.

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Upon RISKS on which the PREMIUM is paid in like Currency.

DEALERS with this Company will be allowed the op-tion (to be signified at the time of application for insurance) of receiving in lieu of serip, at the end of each year, Returns in Cash, of premiums paid and earned during the year, upon all new risks under the New York form of policy, as follows:

policy, as follows:

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Such privilege, however, being confined to persons and firms, the aggregate of whose premiums upon such poli-cies corned and paid during the year shall amount to the sum of One Hundred Dollars.

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MARKED with initials of Road, with chains and keys.

EXTRA LOCKS AND KEYS—when ordering Locks and Keys to match others, enclose key in letter.

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Kingman's Car Covering

THIS is a heavy Canvass imbedded in a coat of Elastic Mestic or Paste which is applied directly to the boarding of the top of the car. and then thereughly painted with three four coats of paint, thus making a covering YERY MUCH.
LIKE CAR DUCK. but at this time at half the cost. It is now successfully used by many Rairroads and Car Bailders. Directions and particulars sent when requested. This Mastic and Car was for sale by

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March 1863.

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THIS COMPANY OWNS THE EXCLUSIVE RIGHT of SMITH'S AIR LIGHT FOR RAILROADS, and is prepared to sell to Roads the right to use the same. We have arrangements perfected for furnishing Lamps and Burn ers at about the same price charged for the Oil and Kerosene Lamps by other Manufacturers.

Lamps by other Manufacturers.

That Railroad Managers may know the value of this LIGHT, we annex letters from the Hon. CHAUNCEY VIBBARD, the General Superintendent of the New York Central Railroad, and also from the Master Mechanics of the same road, showing its comparative cost with that of Oil Lights:

NEW YORK CENTRAL RAILROAD,
GENERAL SUPERINTENDENT'S OFFICE,
ALBANY, November 15, 1862.
To the Managers of Railroads:

Gentlemen,—This Company has adopted and is furnishing all their locomotives with the "Smith Air Head Light." They do this both on account of economy and the very supe-

We regard it as vastly superior to any light that has eve been produced, and commend it to the consideration of rail

Very respectfully, etc., C. VIBBARD, Gen'l Sup't.

NEW YORK CENTRAL RAILROAD,
MASTER MECHANIC'S OFFICE,
WEST ALBANY, January 28, 1863.

DR. GEORGE HAND SMITH:
Dear Sir.—Below please find the cost of locomotive lamps
burning oil on this division.
Supposing oil cost \$1 37 per gallon.
Cost per hour, 5 cents.
Cost of wicks chimneys, per year, \$4 80.
Estimate cost of leakage, gumming and overflow, one-fourth
of the consumption.

Estimate cost of leakage, gumming and overflow, one-lourened the consumption.

In the year 1861, when the lamps were all oil burners, the cost of regains were \$10.20 per year.

You will please add the overflow to the actual cost per hour, which would make 25 per hour.

Your most ob't servant.

EDWARD H. JONES,

Master Mechanic, Eastern Division.

300 days, 5 hours each day, 1.500 hours, 6%c. per hour. \$93.75

Repairs of lamps for one year. 10.30

Wicks and chimneys. 4.60

\$103 73

NEW YORK CENTRAL RAILROAD, MASTER MECHANIC'S OFFICE, ROCHESTER, Feb. 2, 1863.

DR. GEORGE HAND SMITH:

Denr Sir,—In answer to your inquiries in reference to your Air Light, I would state that we have upon this division of the road 23 of your lights on our first class passenger and freight engines. I find the light consumes about five feet of common gas per hour, which, at the price of gas at this place, 25% per thousand, makes the cost of light for each engine 14 cents per hour.

Renewing my often expressed solving the content of the content of

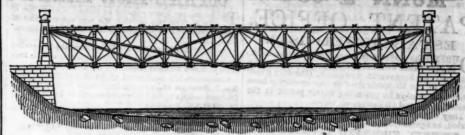
ents per hour.
Renewing my often expressed opinion that your light, for its
Renewing my often expressed opinion that your light, for its
leading its economy and superiority, far exceeds any light
erotofore used on engines,
I romain, very truly, yours, etc.,
I romain, very truly, yours, etc.,
Master Mochanic, Western Division.

Further information may be obtained at the office of the CHAS. W. WELSH,

Secretary.

\$96 87

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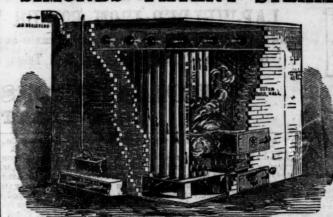
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The following Materials for the use of ARCHITECTS, DRAFTSMEN and ENGINEERS, for sale by

No. 41 JOHN STREET,

NEW YORK.

E. BROWN & SON'S

Whatman's English Hand-made Drawing Paper, MADE FROM PURE LINEN STOCK.

 CAP
 14×17
 SUPER-ROYAL
 19×27
 COLUMBIA
 24×88

 DEMY
 15×20
 IMPERIAL
 21×29
 DOUBLE ELEPHANT
 27×40

 MEDIUM
 18×24
 ELEPHANT
 23×35
 ANTIQUARIAN
 31×68

 ROYAL
 19×24
 ATLAS
 26×35
 ANTIQUARIAN
 31×68

WHITE DRAWING PAPER, IN ROLLS, from 40 inches to 56 inches wide.

Do. do. do. do. mounted upon Muslin.

BROWN ROLL DRAWING of various widths.

ENGLISH TRACING CLOTH, 30 and 36 inches wide.

Do. CLARIFIED AND CLEARED TRACING CLOTH, 30 and 36 inches wide.

FRENCH "VEGETAL" TRACING PAPER of Royal, Super-Royal, Imperial, Columbia, and Double Elephantsize.

PROTRACTORS in Boxwood and Ivory. SCALES in Boxwood and Ivory. SECTORS in Boxwood and Ivory.

ENGINEERS AND ARCHITECTS' BOXWOOD PLOTTING SCALES, 6, 12, and 24 inches long, of assorted divisions.

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BOX WOOD TRIANGULAR PLOTTING SCALES, 6, 12, and 24 inches long, of assorted divisions.

ORDINARY DRAWING SCAL S, Series A, 1, 1, 1, 1, and 3 inches to the foot.

Do. do. do. do. do. B, 8.52, 1, 3-16, 5-16, 1, and 1 inches to the foot.

Do. do. do. do. C, 10, 20, 30, 40, 50, and 60 parts to the inch.

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SCROLLS OF VARIOUS PATTERNS AND SIZES

GUNTER'S BOXWOOD SCALE3, 12 and 24 inches long.
GUNTER'S BOXWOOD SLIDING SCALE8, 24 inches long.
ENGLISH EBONY PARALLEL RULES, 6, 9, 12, 15, 18, 21, and 24 inches long.
THUMB TACKS in Brass and German Silver, different sizes and qualities.
RULING PENS, in Brass, Steel and German Silver, of various qualities.
PRENCH PROPORTIONAL DIVIDERS.
ENGLISH MATHEMATICAL INSTRUMENTS, in Brass, Double Gilt, and German Silver, from \$2 to \$75 per Cite
CHESTERMAN'S ENGLISH TAPE LINES 50, 60, 70, 80, and 100 feet, in tenths and links.

KRUPP'S PATENT CAST

These Celebrated Tires are made

WITHOUT A WELD. Over 70,000 of them HAVE BEEN SUPPLIED.

RAILWAY TIRES

MANUFACTURED BY

FRIED. KRUPP,

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By their extreme durability they are more economical than any others, being cheaper at their cost than Iron ones gratis.

THESE TIRES have been furnished to the following American Railways: Erie; Hudson River; Camden and Amboy; Housatonic; Naugatuck; New Haven; Chicago, Burlington and Quincy; Quincy and Toledo; Ohio and Mississippi; Beaver Meadow; Central Georgia; Don Pedro 2nd (Brazil); Grand Trunk, Great Western (Canada); European and North American (N. B); Cleveland and Mahoning; Cleveland, Painesville and Ashtabula.

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PROPELLER BLADES, ETC., ETC., ETC.

They wear equally and are free from lamination. They are not liable to fracture and are unaffected by extreme cold.

LAP-WELDED IRON BOILER TUBES.

TUBE EXPANDERS. TUBE BRUSHES. THREE-CUTTER DRILLS. Glass-Enameled Iron Water Pipe, Steel Tubes, etc., etc.

They have received the highest approval from all RAILWAY COMPANIES that have them in service.

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SOLID EMERY WHEELS.
THE New York Emery Wheel Company, after a long series of experiments have so perfected the method of manufacture of their improved wheels as to be able in future to fill promptly all orders for wheels in quantities Our invention is pronounced by all who have used our improved wheel to be superior in every respect to any method heretofore known for combining emery for cutting, grinding or polishing purposes. Our Emery oil stones are superior to the Arkaneas stone. Emery hones, knill sharpeners, etc., constantly on hand. Send for circular and 1 rice list. Address Josian Bartlett. Office No. 51 Beekman st., (up-stairs,) New York.

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BOAT AND BRIDGE SPIKES,

MANUFACTURED BY THE

NEWARK SPIKE CO.

Newark Avenue.

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Beware of imitations that are infe-rior in strength and in other respects

TESTIMONIALS.

This Company have now in use, over two hundred of Sandra's Mammoth Heaters, in Station Houses, Work Shops, and naine Houses; we commenced using them in 1833, and some it he first stoves put up are still good and in use. We conser them the best Hesters now in use.

J. M. HEBARD, Supply Agent.

The Mammeth Heaters have been used by this Company is the invaling rooms at the several ferries and found to be verschients invested more durable and valuable than any herefore used. CYRUS P. SMITH, Managing Director.

MANUFACTURED AND SOLD BY SANFORD, TRUSLOW & CO., Nos. 239 and 241 Water street, New York, OFFICE OF THE NEW YORK CENTRAL RAILROAD Co., ALBANY, November 2, 1863.

THE annual election for Directors of this Company, and for three Inspectors of the next Electron.

and for three Inspectors of the next Election, will be held at the Office of the Company, in the Exchange, in the City of Albany, on the second Wednesday (the ninth.) of December next. The poll will be opened at eleven o'clock in the forenoon, and will continue open for two hours thereafter. By order of the Board of Directors. ROBERT L. BANKS,

Secretary.



Introduced one year ago, already ranks as the LEADING STOVE for PARLORS, SITTING ROOMS, and all places where a s-ft, pleasant heat is desired.

Fire may be kept all winter with an astonishingly small supply of coal.

Send for Jescription and testimonials.

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Sanford's CHALLENGE HEATERS SET IN BRICK, PORTABLE

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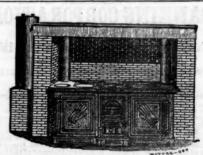
AND THE Greatest Fuel Savers in the World: With an unparalleled mass of unimpeach able testimony of well-known Citizens Ministers, Doctors, Lawyers, Merchants, Mechanics and others.

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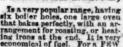
Challenge Air-tight KITCHEN RANGES.

May be placed in a fire-place without maso ry and with or without water-back; or may be set out on feet, as an ordinary

This Rance, already very popular, has the LARGEST OVENS of any in the market; BARES PERFACTLY, never falling to brown at the bottom; BULLS, RUASTS and BROILS with unequalled facility and dispatch, and with extraordinary ECONOMY OF FUELL, which may be either coal or wood. Flues large and easily cleaned. A child can manage it, so simple is its construction. Castings extra heavy, and design plain and chaste.

Four sizes, adapted to families and hotels.

Beacon Light SUMMER AND WINTER PORTABLE RANGE,



Ts a very popular range, having six boiler holes, one large oven that bakes perfectly, with an arrangement for roussing, or heating irons at the cad. It is very conomical of fuel. For a F&W DOLLARS a family may be supplied with a PERFECT COOKING APPARATUS, equal to the highest price stove in the market.

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